

ลำดับ ที่	ประเภทของ บทความ	ระดับชาติ/ นานาชาติ	ชื่อบทความวิจัย / ชื่อสิ่งประดิษฐ์	ชื่อวารสาร / ชื่อการประชุมวิชาการ	ปีค.ศ.ที่ ตีพิมพ์	จำนวนผู้แต่งทั้งหมด	ชื่อผู้แต่งที่อยู่ในสังกัด	ภาควิชาของผู้ แต่งที่อยู่ใน สังกัด
1	Conference	International	Advanced microstructural investigations of AISI 441 early stage oxidation in wet atmosphere	Key Engineering Materials	2017	Wongpromrat, W., Parry, V., Chandra-Ambhorn, W., Chandra-Ambhorn, S., Galerie, A., Wouters, Y.	Wongpromrat, W./ Chandra-ambhorn, W.	Chemical
2	Conference	International	Arsenic adsorption using the adsorbent synthesised from oyster shell	Key Engineering Materials	2017	Khownpurk, P., Wongpromrat, W., Chandra-Ambhorn, W.	Wongpromrat, W./ Chandra-ambhorn, W.	Chemical
3	Conference	International	Computer-aided solvent selection for multiple scenarios operation of limited-known properties solute	IOP Conference Series: Materials Science and Engineering	2017	Anantpinijwatna, A.	Anantpinijwatna, A.	Chemical
4	Conference	International	Kinetic modeling of CO <sub>2</sub> gasification reactivity of Palm Kernel Shell (PSK)	Materials Science Forum	2017	Lerkkasemsan, N.	Lerkkasemsan, N.	Chemical
5	Journal	International	A comparative study of sodium/hydrogen titanate nanotubes/nanoribbons on destruction of recalcitrant compounds and sedimentation	Journal of Cleaner Production	2017	Kiatkittipong, K., Assabumrungrat, S.	Kiatkittipong, K.	Chemical
6	Journal	International	A reaction database for small molecule pharmaceutical processes integrated with process information	Processes	2017	Papadakis, E., Anantpinijwatna, A., Woodley, J.M., Gani, R.	Anantpinijwatna, A.	Chemical
7	Journal	International	Alternative Hydrocarbon Biofuel Production via Hydrotreating under a Synthesis Gas Atmosphere	Energy and Fuels	2017	Pongsiriyakul, K., Kiatkittipong, W., Kiatkittipong, K., Laosiripojana, N., Faungnawakij, K., Adhikari, S., Assabumrungrat, S.	Kiatkittipong, K.	Chemical
8	Journal	International	Analysis of a solid oxide fuel cell and a molten carbonate fuel cell integrated system with different configurations	International Journal of Hydrogen Energy	2017	Jienkulsawad, P., Saebea, D., Patcharavorachot, Y., Kheawhom, S., Arpornwichanop, A.	Patcharavorachot, Y.	Chemical
9	Journal	International	Analysis of unbalanced pressure PEM electrolyzer for high pressure hydrogen production	Chemical Engineering Transactions	2017	Saebea, D., Patcharavorachot, Y., Hacker, V., Assabumrungrat, S., Arpornwichanop, A., Authayanun, S.	Patcharavorachot, Y.	Chemical
10	Journal	International	Biodiesel production from unrefined krating (Calophyllum Inophyllum) seed oil using supercritical methanol	Chiang Mai University Journal of Natural Sciences	2017	Tipachan, C., Pinnarat, T., Kajorncheappunngam, S.	Pinnarat, T.	Chemical

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11	Journal	International	Design and evaluation of the sorption enhanced steam reforming and solid oxide fuel cell integrated system with anode exhaust gas recirculation for combined heat and power generation	Chemical Engineering Transactions	2017	Wiranarongkorn, K., Im-Orb, K., Ponpesh, P., Patcharavorachot, Y., Arpornwichanop, A.	Patcharavorachot, Y.	Chemical
12	Journal	International	Design of SOFC based oxyfuel combustion systems with anode recycling and steam recycling options	Energy Conversion and Management	2017	Mahisanana, C., Authayanun, S., Patcharavorachot, Y., Arpornwichanop, A.	Patcharavorachot, Y.	Chemical
13	Journal	International	Electrochemical performance assessment of low-temperature solid oxide fuel cell with YSZ-based and SDC-based electrolytes	International Journal of Hydrogen Energy	2017	Saebea, D., Authayanun, S., Patcharavorachot, Y., Chatrattanawet, N., Arpornwichanop, A.	Patcharavorachot, Y.	Chemical
14	Journal	International	Epoxidation of methyl oleate in a TiO <sub>2</sub> -coated-wall capillary microreactor	Chemical Engineering Journal	2017	Phimsen, S., Yamada, H., Tagawa, T., Kiatkittipong, W., Kiatkittipong, K., Laosiripojana, N., Assabumrungrat, S.	Kiatkittipong, K.	Chemical
15	Journal	International	Exergoeconomics of hydrogen production from biomass air-steam gasification with methane co-feeding	Energy Conversion and Management	2017	Nakyai, T., Authayanun, S., Patcharavorachot, Y., Arpornwichanop, A., Assabumrungrat, S., Saebea, D.	Patcharavorachot, Y.	Chemical
16	Journal	International	Fuzzy logic-based predictive model for biomass pyrolysis	Applied Energy	2017	Lerkkasemsan, N.	Lerkkasemsan, N.	Chemical
17	Journal	International	Nickel sulfide, nickel phosphide and nickel carbide catalysts for bio-hydrotreated fuel production	Energy Conversion and Management	2017	Phimsen, S., Kiatkittipong, W., Yamada, H., Tagawa, T., Kiatkittipong, K., Laosiripojana, N., Assabumrungrat, S.	Kiatkittipong, K.	Chemical
18	Journal	International	Optimal design of different reforming processes of the actual composition of bio-oil for high-temperature PEMFC systems	International Journal of Hydrogen Energy	2017	Authayanun, S., Saebea, D., Patcharavorachot, Y., Assabumrungrat, S., Arpornwichanop, A.	Patcharavorachot, Y.	Chemical
19	Journal	International	Performance analysis of solid-oxide electrolysis cells for syngas production by H <sub>2</sub> /O/CO <sub>2</sub> -co-electrolysis	Chemical Engineering Transactions	2017	Saebea, D., Authayanun, S., Patcharavorachot, Y., Soisuwan, S., Assabumrungrat, S., Arpornwichanop, A.	Patcharavorachot, Y.	Chemical
20	Journal	International	Performance and environmental study of a biogas-fuelled solid oxide fuel cell with different reforming approaches	Energy	2017	Chatrattanawet, N., Saebea, D., Authayanun, S., Arpornwichanop, A., Patcharavorachot, Y.	Patcharavorachot, Y.	Chemical

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21	Journal	International	Separation of platinum(IV) across hollow fiber supported liquid membrane using non-toxic diluents: Mass transfer and thermodynamics	Journal of Industrial and Engineering Chemistry	2017	Wongkaew, K., Mohdee, V., Pancharoen, U., Arpornwichanop, A., Lothongkum, A.W.	Lothongkum, A.W.	Chemical
22	Journal	International	Xylitol and gluconic acid productions via photocatalytic-glucose conversion using TiO <sub>2</sub> -fabricated by surfactant-assisted techniques: Effects of structural and textural properties	Materials Chemistry and Physics	2017	Payornhorm, J., Chuangchote, S., Kiatkittipong, K., Chiarakorn, S., Laosiripojana, N.	Kiatkittipong, K.	Chemical
23	Conference	International	Analysis of Lateral Buckling of Bar with Axial Force Accumulation in Truss	IOP Conference Series: Materials Science and Engineering	2017	Wattanamankong, N., Petchsasithon, A., Dhirasedh, S.	Petchsasithon, A.	Civil
24	Conference	International	Effect of jetties in coastal change at chumphon estuary	Proceedings of the International Offshore and Polar Engineering Conference	2017	Promngam, A., Charusrojthanadech, N., Maleesee, K., Yamamoto, Y.	Maleesee, K.	Civil
25	Conference	International	Phase behaviors and fuel properties of palm oil-based microemulsion biofuels using sugar-based surfactants	Conference Proceedings - 2017 17th IEEE International Conference on Environment and Electrical Engineering and 2017 1st IEEE Industrial and Commercial Power Systems Europe, IEEEIC / I and CPS Europe 2017	2017	Attaphong, C., Charoensaeng, A., Sorrasuchart, N., Khaodhiar, S., Arpornpong, N., Sabatini, D.A.	Attaphong, C.	Civil
26	Journal	International	A Multi-Objective Optimization Model for Solid Waste Disposal Under Uncertainty: A Case Study of Bangkok, Thailand	International Journal of Civil Engineering	2017	Laokhongthavorn, L., U-tapao, C.	Laokhongthavorn, L./ U-Tapao, C.	Civil
27	Journal	International	A real-time bus arrival time information system using crowdsourced smartphone data: a novel framework and simulation experiments	Transportmetrica B	2017	Wepulanon, P., Sumalee, A., Lam, W.H.K.	Sumalee, A.	Civil
28	Journal	International	Effect of Sustainable Infrastructure Assessments on Construction Project Success Using Structural Equation Modeling	Journal of Management in Engineering	2017	Krajangsri, T., Pongpeng, J.	Pongpeng, J.	Civil
29	Journal	International	Investigation on tunnel responses due to adjacent loaded pile by 3D finite element analysis	International Journal of GEOMATE	2017	Heama, N., Jongpradist, P., Lueprasert, P., Suwansawat, S.	Suwansawat, S.	Civil
30	Journal	International	Mitigations of flooding and soil erosions geo-disasters in Thailand and Laos due to climate change: From Mountains to Lowlands	Lowland Technology International	2017	Bergado, D.T., Chaiyaput, S., Voottipruex, P., Hino, T., Chanmee, N.	Chaiyaput, S.	Civil

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31	Journal	International	Numerical investigation of tunnel deformation due to adjacent loaded pile and pile-soil-tunnel interaction	Tunnelling and Underground Space Technology	2017	Lueprasert, P., Jongpradist, P., Jongpradist, P., Suwansawat, S.	Suwansawat, S.	Civil
32	Journal	International	Optimized Microemulsion Systems for Detergency of Vegetable Oils at Low Surfactant Concentration and Bath Temperature	Journal of Surfactants and Detergents	2017	Attaphong, C., Sabatini, D.A.	Attaphong, C.	Civil
33	Journal	International	The use of natural rubber latex as a renewable and sustainable modifier of asphalt binder	International Journal of Pavement Engineering	2017	Wen, Y., Wang, Y., Zhao, K., Sumalee, A.	Sumalee, A.	Civil
34	Journal	International	Tunneling simulation in soft ground using shell elements and grouting layer	International Journal of GEOMATE	2017	Lueprasert, P., Jongpradist, P., Suwansawat, S.	Suwansawat, S.	Civil
35	Journal	International	Wavelet relationship between climate variability and deep groundwater fluctuation in Thailand's Central Plains	KSCE Journal of Civil Engineering	2017	Seeboonruang, U.	Seeboonruang, U.	Civil
36	Conference	International	Evaluation of rapid detection system for Escherichia coli in water samples	BMEiCON 2016 - 9th Biomedical Engineering International Conference	2017	Pipitsombat, C., Phasuk, K., Suwan, S., Piyawattanametha, W.	Jansuwan, S./ Boksuwan, S./ Jansuwan, S./ Piyawattanametha, W.	Civil/Instrument/ Civil/Electro ronics
37	Conference	International	Effect of additives on fuel properties and emission characteristics of micromulsion biofuels from palm oil	Conference Proceedings - 2017 17th IEEE International Conference on Environment and Electrical Engineering and 2017 1st IEEE Industrial and Commercial Power Systems Europe, IEEEIC / I and CPS Europe 2017	2017	Attaphong, C., Lumyong, P., Wichadee, S., Khaodhiar, S., Sarikprueck, P., Sabatini, D.A.	Attaphong, C./ Lumyong, P./ Sarikprueck, P.	Civil/Power/Power
38	Conference	International	A multi-database access system with instance matching	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2017	Phungtua-Eng, T., Chittayasothorn, S.	Chittayasothorn, S.	Computer
39	Conference	International	Approximation of linear gain slope equalizer using Bernstein-Stancu polynomials	IEEE Region 10 Annual International Conference, Proceedings/TENCON	2017	Chutchavong, V., Janchitrapongvej, K., Nomura, H., Kanamori, C., Aoyama, H.	Chutchavong, V.	Computer
40	Conference	International	Bernstein polynomial and rational Bézier curve for blood pressure simulation	IEEE Region 10 Annual International Conference, Proceedings/TENCON	2017	Kanjanasurat, I., Chutchavong, V., Pirajnanchai, V., Janchitrapongvej, K.	Chutchavong, V.	Computer

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41	Conference	International	Dynamic set point feedback control using steady state detection	International Conference on Control, Automation and Systems	2017	Thongkrait, S., Purahong, B., Chutchavong, V.	Purahong, B./ Chutchavong, V.	Computer
42	Conference	International	Healthcare system for elders with automatic drug label detection	International Conference on Control, Automation and Systems	2017	Tangtisanon, P.	Tangtisanon, P./ Tangtisanon, P.	Computer
43	Conference	International	Identification of rice using symbolic regression	Proceedings of 2016 8th International Conference on Information Technology and Electrical Engineering: Empowering Technology for Better Future, ICITEE 2016	2017	Watanachaturaporn, P.	Watanachaturaporn, P.	Computer
44	Conference	International	On development of train control and signaling simulation	International Conference on Control, Automation and Systems	2017	Samootrut, P., Lertwatechakul, M., Tongkrait, S., Anuwongpinit, T., Vijittanasan, A., Chutchavong, V.	Lertwatechakul, M./ Chutchavong, V.	Computer
45	Conference	International	Simulation of copper thin film thickness optimization for surface plasmon using the finite element method	SIMULTECH 2017 - Proceedings of the 7th International Conference on Simulation and Modeling Methodologies, Technologies and Applications	2017	Leelawattananon, T., Locharoenrat, K., Chittayasothorn, S.	Chittayasothorn, S.	Computer
46	Conference	International	The implementation of spectrum sensing and spectrum allocation on cognitive radio	International Conference on Advanced Communication Technology, ICACT	2017	Rungsawang, P., Khawne, A.	Khawne, A.	Computer
47	Conference	International	Thoth: Automatic resource management with machine learning for container-based cloud platform	CLOSER 2017 - Proceedings of the 7th International Conference on Cloud Computing and Services Science	2017	Sangpetch, A., Sangpetch, O., Juangmarisakul, N., Warodom, S.	Sangpetch, A./ Sangpetch, O.	Computer
48	Journal	International	A practical low-cost machine vision sensor system for defect classification on air bearing surfaces	Sensors and Materials	2017	Kunakornvong, P., Sooraksa, P.	Sooraksa, P.	Computer
49	Journal	International	A Spatio-Temporal malware and country clustering algorithm: 2012 IJ MITF case study	International Journal of Information Security	2017	Sisaat, K., Kittitornkun, S., Kikuchi, H., Yukonhiatou, C., Terada, M., Ishii, H.	Kittitornkun, S.	Computer
50	Journal	International	Min-uncertainty & max-certainty criteria of neighborhood rough-mutual feature selection	Walailak Journal of Science and Technology	2017	Foithong, S., Srinil, P., Pinnern, O., Attachoo, B.	Attachoo, B.	Computer

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51	Conference	International	Electrooculogram identification from eye movement based on FIR system	BMEICON 2016 - 9th Biomedical Engineering International Conference	2017	Puttasakul, T., Archawut, K., Matsuura, T., Thumwarin, P., Airphaiboon, S.	Thumwarin, P./ Airphaiboon, S.	Computer/Ele ctronics
52	Conference	International	A 6-bit, two-step, successive approximation logarithmic ADC for biomedical applications	2016 IEEE International Conference on Electronics, Circuits and Systems, ICECS 2016	2017	Sundarasaradula, Y., Constandinou, T.G., Thanachayanont, A.	Thanachayanont, A.	Electronics
53	Conference	International	A study on 2, 4, 6-trinitrotolurene (TNT) vapor detection by using a quartz crystal microbalance with 18-crown-6 ether film	AIP Conference Proceedings	2017	Phetchakul, T., Phuvanatai, P.	Phetchakul, T.	Electronics
54	Conference	International	An analysis of time domain reed solomon decoder with FPGA implementation	IEICE Transactions on Information and Systems	2017	Kato, K., Choomchuay, S.	Choomchuay, S.	Electronics
55	Conference	International	An intelligent system architecture for meal assistant robotic arm	2017 9th International Conference on Knowledge and Smart Technology: Crunching Information of Everything, KST 2017	2017	Sento, A., Srisuk, P., Kitjaidure, Y.	Kitjaidure, Y.	Electronics
56	Conference	International	Appropriate pulse signal driving frequency for white lighting LED	ACM International Conference Proceeding Series	2017	Sukpasri, P., Parnklang, J.	Parnklang, J.	Electronics
57	Conference	International	Automated detection of exudates using histogram analysis for Digital Retinal Images	2016 International Symposium on Intelligent Signal Processing and Communication Systems, ISPACS 2016	2017	Win, K.Y., Choomchuay, S.	Choomchuay, S.	Electronics
58	Conference	International	Automated segmentation and isolation of touching cell nuclei in cytopathology smear images of pleural effusion using distance transform watershed method	Proceedings of SPIE - The International Society for Optical Engineering	2017	Win, K.Y., Choomchuay, S., Hamamoto, K.	Choomchuay, S.	Electronics
59	Conference	International	Automated segmentation of cell nuclei in cytology pleural fluid images using OTSU thresholding	2nd Joint International Conference on Digital Arts, Media and Technology 2017: Digital Economy for Sustainable Growth, ICDAMT 2017	2017	Win, K.Y., Choomchuay, S.	Choomchuay, S.	Electronics
60	Conference	International	Brainwave spectrum analysis during paced breathing control: A pilot study	BMEICON 2016 - 9th Biomedical Engineering International Conference	2017	Pakoktom, N., Tretriluxana, S., Chitsakul, K.	Tretriluxana, S./ Chitsakul, K.	Electronics

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61	Conference	International	Canonical correlation analysis for dimensionality reduction of sleep apnea features based on ECG single lead	BMEiCON 2016 - 9th Biomedical Engineering International Conference	2017	Moeynoi, P., Kitjaidure, Y.	Kitjaidure, Y.	Electronics
62	Conference	International	Centralized pap test diagnosis with artificial neural network and internet of things	IEEE International Conference on Nano/Molecular Medicine and Engineering, NANOMED	2017	Dumripanachod, M., Piyawattanametha, W.	Piyawattanametha, W.	Electronics
63	Conference	International	Computational analysis of blood parameters separate by centrifuge technique	2017 9th International Conference on Knowledge and Smart Technology: Crunching Information of Everything, KST 2017	2017	Wangboon, A., Phasukkit, P., Keawbumrung, M.	Phasukkit, P.	Electronics
64	Conference	International	Detection of lesions and classification of diabetic retinopathy using fundus images	BMEiCON 2016 - 9th Biomedical Engineering International Conference	2017	Paing, M.P., Choomchuay, S., Rapeeporn Yodprom, M.D.	Choomchuay, S.	Electronics
65	Conference	International	Foot plantar pressure measurement system using optical sensor	BMEiCON 2016 - 9th Biomedical Engineering International Conference	2017	Keatsamarn, T., Pintavirooj, C.	Pintavirooj, C.	Electronics
66	Conference	International	Inverse kinematics solution using neural networks from forward kinematics equations	2017 9th International Conference on Knowledge and Smart Technology: Crunching Information of Everything, KST 2017	2017	Srisuk, P., Sento, A., Kitjaidure, Y.	Kitjaidure, Y.	Electronics
67	Conference	International	Quartz crystal microbalance coated with 18-crown-6 ether film for 2, 4, 6-trinitrotolurene (TNT) vapor detection	Key Engineering Materials	2017	Phuvanatai, P., Phetchakul, T.	Phetchakul, T.	Electronics
68	Conference	International	Simulated CT scanner for educational purpose	BMEiCON 2016 - 9th Biomedical Engineering International Conference	2017	Juhong, A., Pintavirooj, C.	Pintavirooj, C.	Electronics
69	Conference	International	Smart wheelchair based on eye tracking	BMEiCON 2016 - 9th Biomedical Engineering International Conference	2017	Wanluk, N., Visitsattapongse, S., Juhong, A., Pintavirooj, C.	Visitsattapongse, S./ Pintavirooj, C.	Electronics
70	Conference	International	Stress and office-syndrome detection using EEG, HRV and hand movement	BMEiCON 2016 - 9th Biomedical Engineering International Conference	2017	Reanaree, P., Tananchana, P., Narongwongwathana, W., Pintavirooj, C.	Pintavirooj, C.	Electronics

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71	Conference	International	Thai sign language recognition by using geometric invariant feature and ANN classification	BMEiCON 2016 - 9th Biomedical Engineering International Conference	2017	Adhan, S., Pintavirooj, C.	Pintavirooj, C.	Electronics
72	Conference	International	The influence of gate scaling to electrical characteristics on n-MOS FinFET	MATEC Web of Conferences	2017	Patchrasardtra, N., Pengchan, W.	Pengchan, W.	Electronics
73	Conference	International	The preliminary investigation of ear recognition using hybrid technique	BMEiCON 2016 - 9th Biomedical Engineering International Conference	2017	Taertulakarn, S., Pintavirooj, C., Tosranon, P., Hamamoto, K.	Pintavirooj, C.	Electronics
74	Conference	International	Wide current range and high compliance-voltage bulk-driven current mirrors: Simple and cascode	2016 IEEE Asia Pacific Conference on Circuits and Systems, APCCAS 2016	2017	Sooksood, K.	Sooksood, K.	Electronics
75	Conference	International	Wide-field high-resolution fiber bundle based endomicroscope for cervical epithelium cells imaging	BMEiCON 2016 - 9th Biomedical Engineering International Conference	2017	Dumripatanachod, M., Piyawattanametha, W.	Piyawattanametha, W.	Electronics
76	Journal	International	A Low-Noise, Low-Power, Wide Dynamic Range Logarithmic Amplifier for Biomedical Applications	Journal of Circuits, Systems and Computers	2017	Sundarasaradula, Y., Thanachayanont, A.	Thanachayanont, A.	Electronics
77	Journal	International	Effect of Sn content on the dielectric and piezoelectric properties of the ternary system $(0.975-y)\text{BaTiO}_3-0.025\text{SrTiO}_3-y\text{BaSnO}_3$	Journal of Materials Science	2017	Mayamae, J., Vittayakorn, W., Muanghlua, R., Woramongkolchai, S., Vittayakorn, N.	Muanghlua, R.	Electronics
78	Journal	International	Effects of $\text{BiMO}_3$ on dielectric, ferroelectric, and piezoelectric properties of perovskite lead-free piezoelectric $\text{BaTiO}_3-(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ ceramics	International Journal of Applied Ceramic Technology	2017	Chaiyo, N., Muanghlua, R., Vittayakorn, W., Vittayakorn, N.	Muanghlua, R.	Electronics
79	Journal	International	High piezoelectric response in lead free $0.9\text{BaTiO}_3-(0.1-x)\text{CaTiO}_3-x\text{BaSnO}_3$ solid solution	Ceramics International	2017	Mayamae, J., Vittayakorn, W., Sukkha, U., Bongkarn, T., Muanghlua, R., Vittayakorn, N.	Muanghlua, R.	Electronics
80	Conference	International	Bedside patient monitoring by NFC	BMEiCON 2016 - 9th Biomedical Engineering International Conference	2017	Lermthong, S., Suwanna, P., Airphai boon, S.	Suwanna, P./ Prisuwanna, P./ Airphai boon, S.	Electronics/Power/Electronics



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81	Conference	International	Heat transfer enhancement in turbular heat exchanger fitted with twin twisted tape swirl generators	AIP Conference Proceedings	2017	Saysroy, A., Chuwattanakul, V., Eiamsa-Ard, S.	Chuwattanakul, V.	Food
82	Conference	International	Shrinking instability of toroidal droplets	Proceedings of the National Academy of Sciences of the United States of America	2017	Fragkopoulos, A.A., Pairam, E., Berger, E., Segre, P.N., Fernandez-Nieves, A.	Pairam, E.	Food
83	Conference	International	The influence of alkaline treatment of plant fibres on tensile properties of single fibres and composites	Materials Science Forum	2017	Chaishome, J., Rattanapaskorn, S.	Chaishome, J./ Rattanapaskorn, S.	Food
84	Conference	International	The influence of alkaline treatment on thermal stability of flax fibres	IOP Conference Series: Materials Science and Engineering	2017	Chaishome, J., Rattanapaskorn, S.	Chaishome, J./ Rattanapaskorn, S.	Food
85	Journal	International	Enthalpy relaxation in sucrose-maltodextrin-sodium citrate bioglass	Journal of Food Engineering	2017	Sritham, E., Gunasekaran, S.	Sritham, E.	Food
86	Journal	International	FTIR spectroscopic evaluation of sucrose-maltodextrin-sodium citrate bioglass	Food Hydrocolloids	2017	Sritham, E., Gunasekaran, S.	Sritham, E.	Food
87	Journal	International	Heat transfer in turbulent tube flow inserted with loose-fit multi-channel twisted tapes as swirl generators	Theoretical and Applied Mechanics Letters	2017	Kunlabud, S., Chuwattanakul, V., Kongkai-paiboon, V., Promthaisong, P., Eiamsa-ard, S.	Chuwattanakul, V.	Food
88	Journal	International	Heat transfer of swirling impinging jets with TiO <sub>2</sub> -water nanofluids	Chemical Engineering and Processing: Process Intensification	2017	Wongcharee, K., Chuwattanakul, V., Eiamsa-ard, S.	Chuwattanakul, V.	Food
89	Journal	International	Influence of CuO/water nanofluid concentration and swirling flow on jet impingement cooling	International Communications in Heat and Mass Transfer	2017	Wongcharee, K., Chuwattanakul, V., Eiamsa-ard, S.	Chuwattanakul, V.	Food
90	Journal	International	Rheological and microstructure evaluations of amorphous sucrose-maltodextrin-sodium citrate mixture	Applied Rheology	2017	Sritham, E., Gunasekaran, S.	Sritham, E.	Food

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91	Journal	International	Use of digital image analysis as a monitoring tool for non-uniform deformation of shrinkable materials during drying	Journal of Chemical Engineering of Japan	2017	Jinorose, M., Stienkijumpai, A., Devahastin, S.	Jinorose, M.	Food
92	Journal	International	Similarity model for estimating the error of clamp-on ultrasonic flowmeter: Flow in water supply piping system	Engineering Letters	2017	Sritham, E., Wachirapunyanont, R., Siriparinyan, P., Nunak, N., Suesut, T.	Sritham, E./ Nunak, N./ Suesut, T.	Food/Food/Instrument
93	Conference	International	A smartphone-based real-time simple activity recognition	2017 3rd International Conference on Control, Automation and Robotics, ICCAR 2017	2017	Jongprasithporn, M., Yodpijit, N., Srivilai, R., Pongsophane, P.	Jongprasithporn, M.	Industrial
94	Conference	International	Adaptive artificial bee colony algorithm for solving the capacitated vehicle routing problem	2017 9th International Conference on Knowledge and Smart Technology: Crunching Information of Everything, KST 2017	2017	Mingprasert, S., Masuchun, R.	Masuchun, R.	Industrial
95	Conference	International	An ant colony optimization method for the capacitated vehicle routing problem with stochastic demands	20th International Computer Science and Engineering Conference: Smart Ubiquitous Computing and Knowledge, ICSEC 2016	2017	Janjarassuk, U., Masuchun, R.	Janjarassuk, U./ Masuchun, R.	Industrial
96	Conference	International	Decentralized Network Building Change in Large Manufacturing Companies towards Industry 4.0	Procedia Computer Science	2017	Poonpakdee, P., Koiwanit, J., Yuangyai, C.	Poonpakdee, P./ Koiwanit, J./ Yuangyai, C.	Industrial
97	Conference	International	Factors associated with Thai exporter's interest in using New Dawei deep seaport	Proceedings - 31st European Conference on Modelling and Simulation, ECMS 2017	2017	Leerojanaprapa, K., Sirikasemsuk, K., Bhundarak, K.	Sirikasemsuk, K.	Industrial
98	Conference	International	Self-tuning control with neural network for robot manipulator	International Conference on Control, Automation and Systems	2017	Jaisumroum, N., Chotiprayanakul, P., Limnarat, S.	Chotiprayanakul, P./ Limnarat, S.	Industrial
99	Conference	International	The development of Artificial Neural Networks (ANN) for falls detection	2017 3rd International Conference on Control, Automation and Robotics, ICCAR 2017	2017	Yodpijit, N., Sittiwanchai, T., Jongprasithporn, M.	Jongprasithporn, M.	Industrial
100	Conference	International	The mediating role of innovative work behavior on the relationship between knowledge sharing behavior and innovation capability in Thailand private university	2016 Management and Innovation Technology International Conference, MITICON 2016	2017	Buranakul, S., Limnarat, S., Pithuncharumlap, M., Sangmanee, W.	Limnarat, S.	Industrial

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101	Conference	International	The use of smartphone for gait analysis	2017 3rd International Conference on Control, Automation and Robotics, ICCAR 2017	2017	Yodpjiit, N., Tavichaiyuth, N., Jongprasithporn, M., Songwongamarit, C., Sittiwanchai, T.	Jongprasithporn, M.	Industrial
102	Conference	International	U-shaped line balancing model with an uncertain time on all tasks	2017 4th International Conference on Industrial Engineering and Applications, ICIEA 2017	2017	Varnasilpin, S., Masuchun, R.	Masuchun, R.	Industrial
103	Journal	International	A simple approach for identifying an optimal service level for minimizing schedule nervousness under non-stationary stochastic demand	International Journal of Innovative Computing, Information and Control	2017	Hasachoo, N., Masuchun, R.	Masuchun, R.	Industrial
104	Journal	International	Novel foodstuff conveyor belts compound for energy saving: The effect of microwave pre-heating and mixed fillerson mechanical properties	ARNP Journal of Engineering and Applied Sciences	2017	Limhengha, S., Limnararat, S., Jangchud, I., Sriseubsai, W.	Limnararat, S./ Sriseubsai, W.	Industrial
105	Journal	International	One missing value problem in Latin square design of any order: Exact analysis of variance	Cogent Engineering	2017	Sirikasemsuk, K., Leerojanaprapa, K.	Sirikasemsuk, K.	Industrial
106	Journal	International	Optimized plastic injection molding process and minimized the warpage and volume shrinkage by response surface methodology with genetic algorithm and firefly algorithm techniques	Indian Journal of Engineering and Materials Sciences	2017	Sudsawat, S., Sriseubsai, W.	Sriseubsai, W.	Industrial
107	Journal	International	Robust and efficient membership management in large-scale dynamic networks	Future Generation Computer Systems	2017	Poonpakdee, P., Di Fatta, G.	Poonpakdee, P.	Industrial
108	Journal	International	The mediating effect of knowledge-sharing behaviour on total quality management and organisational innovation capability	Journal for Global Business Advancement	2017	Buranakul, S., Limnararat, S., Pithuncharunlap, M., Sangmanee, W.	Limnararat, S.	Industrial
109	Journal	International	The operational, economic and environmental benefits of returnable packaging under various reverse logistics arrangements	International Journal of Intelligent Engineering and Systems	2017	Katephap, N., Limnararat, S.	Limnararat, S.	Industrial
110	Journal	International	Thermodynamic relationships for homogeneous crystalline and liquid phases in the phase-field crystal model	Computational Materials Science	2017	Chan, V.W.L., Pisutha-Amund, N., Thornton, K.	Pisutha-Amund, N.	Industrial

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111	Conference	International	Antibacterial and mechanical properties of the TiO <sub>2</sub> /ABS composites	Key Engineering Materials	2017	Sangkatip, R., Sriseubsai, W., Kiatkittipong, K.	Sriseubsai, W./ Kiatkittipong, K.	Industrial/Che mical
112	Conference	International	Preparation and characterization of the Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> : ABS/Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> composites	Key Engineering Materials	2017	Sangkatip, R., Sriseubsai, W., Kiatkittipong, K.	Sriseubsai, W./ Kiatkittipong, K.	Industrial/Che mical
113	Conference	International	A comparative study based on classical and newer piezoelectric materials based unimorph actuators for Hard Disk Drive	IEEE Region 10 Annual International Conference, Proceedings/TENCON	2017	Wattananukulchai, P., Isarakorn, D.	Isarakorn, D.	Instrument
114	Conference	International	Asymmetrical two-phase induction motor speed controlled by multilevel inverter employing cascaded transformers	IEEE International Symposium on Industrial Electronics	2017	Tipsuwanpom, V., Kaenthong, K., Numsomran, A., Charean, A., Sawaengsinkasikit, W.	Numsomran, A.	Instrument
115	Conference	International	Automated microaneurysms detection in fundus images using image segmentation	2nd Joint International Conference on Digital Arts, Media and Technology 2017: Digital Economy for Sustainable Growth, ICDAMT 2017	2017	Sreng, S., Maneerat, N., Hamamoto, K.	Maneerat, N.	Instrument
116	Conference	International	Comparative study of QCM analyzers based on pierce oscillator and electromechanical impedance techniques	BMEiCON 2016 - 9th Biomedical Engineering International Conference	2017	Jayasvasti, S., Isarakorn, D., Nundrakwang, S.	Isarakorn, D.	Instrument
117	Conference	International	Comparative study on cascade control configuration in engineering phase for analog system and FF system	SII 2016 - 2016 IEEE/SICE International Symposium on System Integration	2017	Khochasin, N., Trisuwannawat, T., Julsereewong, P., Julsereewong, A.	Trisuwannawat, T./ Julsereewong, P./ Julsereewong, A.	Instrument
118	Conference	International	Design of functional safety model for tail gas treating process	International Conference on Control, Automation and Systems	2017	Poomhuang, J., Julsereewong, P., Thepmanee, T.	Julsereewong, P./ Thepmanee, T.	Instrument
119	Conference	International	Development of Web-Based instruction for review on English	2016 Management and Innovation Technology International Conference, MITICON 2016	2017	Phuapairoch, K., Weerathaweemas, S.	Weerathaweemas, S.	Instrument
120	Conference	International	Early fault detection based on ball bearing vibration analysis using multinomial logistic regression	ACM International Conference Proceeding Series	2017	Kerdsiri, T., Gullayanon, R.	Gullayanon, R.	Instrument

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121	Conference	International	High performance periodical paths tracking of two-dimensional handheld micromanipulator using explicit model predictive control	ACM International Conference Proceeding Series	2017	Boksuwan, S., Cheypoca, T., Chesof, A., Kanamori, C., Panaudomsup, S., Siritechavong, T., Aoyama, H., Anuntahirunrat, K.	Boksuwan, S./ Cheypoca, T./ Panaudomsup, S./ Anuntahirunrat, K.	Instrument
122	Conference	International	Inspection maintenance improvement for reducing common cause failures of k-out-of-n configurations: A case study of power plant	SII 2016 - 2016 IEEE/SICE International Symposium on System Integration	2017	Yuchomboon, Y., Thepmanee, T.	Thepmanee, T.	Instrument
123	Conference	International	Interconnection Inverter Control System of PMSG Wind Power Generation	Procedia Computer Science	2017	Reangkittakarn, S., Tammaruckwattana, S.	Tammaruckwattana, S.	Instrument
124	Conference	International	Real-time monitoring and reporting alarm system for pH measurement in wet scrubbers	International Conference on Control, Automation and Systems	2017	Promsawat, T., Kummool, S., Pongswatd, S., Julsereewong, A.	Kummool, S./ Pongswatd, S./ Julsereewong, A.	Instrument
125	Conference	International	Reliability modeling for automatic operation mode of FSWO&FSWB system	2017 3rd International Conference on Control, Automation and Robotics, ICCAR 2017	2017	Yuchomboon, Y., Thepmanee, T.	Thepmanee, T.	Instrument
126	Conference	International	Simple capacitance-to-time converter	ACM International Conference Proceeding Series	2017	Petchmaneelumka, W., Wutikun, T., Rerkratn, A., Riewruja, V.	Petchmaneelumka, W./ Rerkratn, A./ Riewruja, V.	Instrument
127	Conference	International	Simple LVDT signal conditioner	2017 3rd International Conference on Control, Automation and Robotics, ICCAR 2017	2017	Petchmaneelumka, W., Songsuwankit, K., Rerkratn, A., Riewruja, V.	Petchmaneelumka, W./ Rerkratn, A./ Riewruja, V.	Instrument
128	Conference	International	Simple LVDT signal to DC converter	ACM International Conference Proceeding Series	2017	Petchmaneelumka, W., Songsuwankit, K., Riewruja, V.	Petchmaneelumka, W./ Riewruja, V.	Instrument
129	Conference	International	Star redundant system for visible light communication	International Conference on Control, Automation and Systems	2017	Tipsuwanporn, V., Chanthosot, P., Krongratana, V., Numsomran, A.	Tipsuwanporn, V./ Numsomran, A.	Instrument
130	Conference	International	The application of yaw sensor for measuring carriage system	International Conference on Control, Automation and Systems	2017	Chinchusak, W., Tipsuwanporn, V., Numsomran, A., Krongratana, V.	Tipsuwanporn, V./ Numsomran, A.	Instrument

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131	Conference	International	The developing tool for heat exchanger education in instrumentation engineering	International Conference on Control, Automation and Systems	2017	Oranpaiboon, N., Krongratana, V., Tipsuwanpom, V., Gulpanich, S.	Gulpanich, S.	Instrument
132	Conference	International	The measurement uncertainty evaluation of yaw sensor calibration	International Conference on Control, Automation and Systems	2017	Tipsuwanporn, V., Chinchusak, W., Jaturunruangsri, S.	Tipsuwanporn, V.	Instrument
133	Journal	International	A median filtering circuit using clocked CMOS neuron inverters for implantable electronic medical devices	International Journal of Innovative Computing, Information and Control	2017	Eguchi, K., Wongjan, A., Julsereewong, A., Harada, Y., Fujimoto, K.	Julsereewong, A.	Instrument
134	Journal	International	A mobile phone-based analyzer for quantitative determination of urinary albumin using self-calibration approach	Sensors and Actuators, B: Chemical	2017	Mathaweensurn, A., Maneerat, N., Choengchan, N.	Maneerat, N.	Instrument
135	Journal	International	A novel clamp-mode coupled-inductor boost converter with high step-up voltage gain	Journal of Electrical Engineering and Technology	2017	Tattiwong, K., Bunlaksananusorn, C.	Bunlaksananusorn, C.	Instrument
136	Journal	International	A step-down switched-capacitor AC-DC converter with double conversion topology	International Journal of Innovative Computing, Information and Control	2017	Abe, K., Smerpitak, K., Pongswatd, S., Oota, I., Eguchi, K.	Smerpitak, K./ Pongswatd, S.	Instrument
137	Journal	International	Alternative of bridge-based circuits for differential resistive sensors	International Review of Electrical Engineering	2017	Junsing, T., Julsereewong, A.	Julsereewong, A.	Instrument
138	Journal	International	Compact quadrature oscillator with voltage and current outputs using only single VDTA and grounded capacitors	Indian Journal of Pure and Applied Physics	2017	Tangsrirat, W.	Tangsrirat, W.	Instrument
139	Journal	International	Design and realization of an energy autonomous wireless sensor system for ball screw fault diagnosis	Sensors and Actuators, A: Physical	2017	Sudhawiyangkul, T., Isarakorn, D.	Isarakorn, D.	Instrument
140	Journal	International	Design of a high-voltage multiplier combined with Cockcroft-Walton voltage multipliers and switched-capacitor AC-AC converters	International Journal of Innovative Computing, Information and Control	2017	Eguchi, K., Wongjan, A., Julsereewong, A., Do, W., Oota, I.	Julsereewong, A.	Instrument

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141	Journal	International	Design of a nesting-type switched-capacitor AC/DC converter using voltage equalizers	International Journal of Innovative Computing, Information and Control	2017	Eguchi, K., Junsing, T., Julsereewong, A., Do, W., Oota, I.	Julsereewong, A.	Instrument
142	Journal	International	Resistorless tunable capacitance multiplier using single voltage differencing inverting buffered amplifier	Revue Roumaine des Sciences Techniques Serie Electrotechnique et Energetique	2017	Tangsrirat, W.	Tangsrirat, W.	Instrument
143	Journal	International	Safety and availability of basic process control using foundation fieldbus with control in the field - An experimental analysis	International Journal of Intelligent Engineering and Systems	2017	Sangsuwan, T., Thepmanee, T., Julsereewong, A.	Thepmanee, T./ Julsereewong, A.	Instrument
144	Journal	International	Single vdtta-based three-input singleoutput universal filter	Far East Journal of Electronics and Communications	2017	Channumsin, O., Tangsrirat, W.	Tangsrirat, W.	Instrument
145	Journal	International	Synthetic Grounded Lossy Inductance Simulators Using Single VDIBA	IETE Journal of Research	2017	Tangsrirat, W.	Tangsrirat, W.	Instrument
146	Journal	International	Three-input single-output current-mode biquadratic filter with high-output impedance using a single current follower transconductance amplifier	IAENG International Journal of Computer Science	2017	Mongkolwai, P., Pukkalanun, T., Tangsrirat, W.	Pukkalanun, T./ Tangsrirat, W.	Instrument
147	Journal	International	VDIBA-based sinusoidal quadrature oscillator [Sinusoidalny kwadraturowy generator wykorzystujacy układy VDIBA]	Przegląd Elektrotechniczny	2017	Channumsin, O., Tangsrirat, W.	Tangsrirat, W.	Instrument
148	Journal	International	Yield enhancement with Six Sigma methodology in spindle motor hub assembly for hard disk drive production	ICIC Express Letters, Part B: Applications	2017	Seetal, I., Thepmanee, T., Pannil, P.	Thepmanee, T./ Pannil, P.	Instrument
149	Conference	International	Improved PTS method with new weighting factor technique for FBMC-OQAM systems	International Conference on Advanced Communication Technology, ICACT	2017	Hanprasitkum, A., Numsomran, A., Boonsrimuang, P., Boonsrimuang, P.	Numsomran, A./ Boonsrimuang, P./ Boonsrimuang, P.	Instrument/Tel ecom/Teleco m
150	Conference	International	Comparison of traditional and CRMC ejector performance used in a steam ejector refrigeration	Energy Procedia	2017	Kitrattana, B., Aphornratana, S., Thongtip, T., Ruangtrakoon, N.	Ruangtrakoon, N.	Mechanical

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151	Conference	International	Numerical heat transfer study in a round tube with 60° V-shaped rings	IOP Conference Series: Earth and Environmental Science	2017	Kaewkohkiat, Y., Tamna, S., Pairoj, W., Promvongse, P.	Promvongse, P.	Mechanical
152	Conference	International	Numerical thermal performance study in a heat exchanger tube with inclined elliptical rings	IOP Conference Series: Earth and Environmental Science	2017	Sodsri, W., Tamna, S., Thianpong, C., Promvongse, P.	Thianpong, C./ Promvongse, P.	Mechanical
153	Journal	International	3D numerical investigation on laminar forced convection and heat transfer in a circular tube inserted with right triangular wavy surfaces	Frontiers in Heat and Mass Transfer	2017	Jedsadaratanachai, W., Boonloi, A.	Jedsadaratanachai, W.	Mechanical
154	Journal	International	Applying singular value decomposition technique for quantifying the insects in commercial Thai Hommali Rice from NIR Spectrum	Journal of Innovative Optical Health Sciences	2017	Jarurwat, P., Choomjaihan, P.	Choomjaihan, P.	Mechanical
155	Journal	International	Assessment on the efficiency of a papaya and cantaloupe fruit peeling machine	Philippine Agricultural Scientist	2017	Thongsroy, B., Klajring, V.	Klajring, V.	Mechanical
156	Journal	International	Combustion characteristics of hydrotreated vegetable oil – diesel blend under EGR and supercharged conditions	International Journal of Automotive Technology	2017	Ewphun, P.-P., Vo, C.T., Srichai, P., Charoenphonphanich, C., Sato, S., Kosaka, H.	Charoenphonphanich, C.	Mechanical
157	Journal	International	Development of porous media burner operating on waste vegetable oil	Applied Thermal Engineering	2017	Lapirattanakun, A., Charoensuk, J.	Charoensuk, J.	Mechanical
158	Journal	International	Effect of central cone-shaped bluff body on performance of premixed LPG burner	Applied Thermal Engineering	2017	Laphirattanakul, P., Charoensuk, J.	Charoensuk, J.	Mechanical
159	Journal	International	Effects of variable O <sub>2</sub> concentrations and injection pressures on the combustion and emissions characteristics of the petro-diesel and hydrotreated vegetable oil-based fuels under the simulated diesel engine condition	Journal of the Energy Institute	2017	Vo, C., Charoenphonphanich, C., Karin, P., Susumu, S., Hidenori, K.	Charoenphonphanich, C.	Mechanical
160	Journal	International	Effects on hardness and microstructure of AISI 1020 low-carbon steel processed by high-pressure torsion	Journal of Materials Research and Technology	2017	Marulanda Cardona, D.M., Wongsang-Ngam, J., Jimenez, H., Langdon, T.G.	Wongsang-Ngam, J.	Mechanical



ลำดับ ที่	ประเภทของ บทความ	ระดับชาติ/ นานาชาติ	ชื่อบทความวิจัย / ชื่อสิ่งประดิษฐ์	ชื่อวารสาร / ชื่อการประชุมวิชาการ	ปีค.ศ.ที่ ตีพิมพ์	จำนวนผู้แต่งทั้งหมด	ชื่อผู้แต่งที่อยู่ในสังกัด	ภาควิชาของผู้ แต่งที่อยู่ใน สังกัด
161	Journal	International	Evaluation of lower heating value and elemental composition of bamboo using near infrared spectroscopy	Energy	2017	Posom, J., Sirisomboon, P.	Sirisomboon, P.	Mechanical
162	Journal	International	Evaluation of pyrolysis characteristics of milled bamboo using near-infrared spectroscopy	Renewable Energy	2017	Posom, J., Saechua, W., Sirisomboon, P.	Sirisomboon, P.	Mechanical
163	Journal	International	Evaluation of the higher heating value, volatile matter, fixed carbon and ash content of ground bamboo using near infrared spectroscopy	Journal of Near Infrared Spectroscopy	2017	Posom, J., Sirisomboon, P.	Sirisomboon, P.	Mechanical
164	Journal	International	Graphene oxide-loaded shortening as an environmentally friendly heat transfer fluid with high thermal conductivity	Thermal Science	2017	Vongsetskul, T., Prakulpawong, P., Sirisomboon, P., Tantirungrotechai, J., Surasit, C., Tangboriboonrat, P.	Sirisomboon, P.	Mechanical
165	Journal	International	Heat transfer augmentation in a solar air heater channel with combined winglets and wavy grooves on absorber plate	Applied Thermal Engineering	2017	Skullong, S., Promvong, P., Thianpong, C., Jayranaiwachira, N., Pimsarn, M.	Promvong, P./ Thianpong, C./ Jayranaiwachira, N./ Pimsarn, M.	Mechanical
166	Journal	International	Heat transfer characterization in a tubular heat exchanger with V-shaped rings	Applied Thermal Engineering	2017	Chingtuaythong, W., Promvong, P., Thianpong, C., Pimsarn, M.	Promvong, P./ Thianpong, C./ Pimsarn, M.	Mechanical
167	Journal	International	Identification of syrup type using fourier transform-near infrared spectroscopy with multivariate classification methods	Journal of Innovative Optical Health Sciences	2017	Lapcharoensuk, R., Nakawajana, N.	Lapcharoensuk, R./ Nakawajana, N.	Mechanical
168	Journal	International	Microstructural Evolution and Properties of a Hot Extruded and HPT-Processed Resorbable Magnesium WE43 Alloy	Advanced Engineering Materials	2017	Liu, D.X., Pang, X., Li, D.L., Guo, C.G., Wongsangam, J., Langdon, T.G., Meyers, M.A.	Wongsangam, J.	Mechanical
169	Journal	International	Morphology and oxidation kinetics of CI engine's biodiesel particulate matters on cordierite Diesel Particulate Filters using TGA	International Journal of Automotive Technology	2017	Karin, P., Boonsakda, J., Siricholathum, K., Saenkhumvong, E., Charoenphonphanich, C., Hanamura, K.	Charoenphonphanich, C.	Mechanical
170	Journal	International	Non-linear viscoelastic behavior of cooked white, brown, and germinated brown Thai jasmine rice by large deformation relaxation test	International Journal of Food Properties	2017	Sirisomboon, P., Kaeworn, K., Thanimkarn, S., Phetpan, K.	Sirisomboon, P.	Mechanical

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171	Journal	International	Numerical Simulation and Optimization of Enhanced Heat Transfer in Helical Oval Tubes: Effect of Helical Oval Tube Modification, Pitch Ratio, and Depth Ratio	Heat Transfer Engineering	2017	Promthaisong, P., Jedsadaratanachai, W., Eiamsa-ard, S.	Jedsadaratanachai, W.	Mechanical
172	Journal	International	Numerical Study on Turbulent Forced Convection and Heat Transfer Characteristic in a Circular Tube with V-Orifice	Modelling and Simulation in Engineering	2017	Jedsadaratanachai, W., Boonloi, A.	Jedsadaratanachai, W.	Mechanical
173	Journal	International	Performance analysis and flow visualization in a round tube heat exchanger inserted with wavy V-ribs	Advances in Mechanical Engineering	2017	Jedsadaratanachai, W., Boonloi, A.	Jedsadaratanachai, W.	Mechanical
174	Journal	International	Qualitative and quantitative analysis of ochratoxin A contamination in green coffee beans using Fourier transform near infrared spectroscopy	Journal of the Science of Food and Agriculture	2017	Taradolsirithitikul, P., Sirisomboon, P., Dachoupakan Sirisomboon, C.	Sirisomboon, P.	Mechanical
175	Journal	International	Thermal behaviors in a round tube equipped with quadruple perforated-delta-winglet pairs	Applied Thermal Engineering	2017	Skullong, S., Promvong, P., Thianpong, C., Jayranaiwachira, N.	Promvong, P./ Thianpong, C./ Jayranaiwachira, N.	Mechanical
176	Journal	International	Turbulent periodic flow and heat transfer in a rectangular channel with detached V-baffles	Journal of Engineering Thermophysics	2017	Kaewkohkiat, Y., Promvong, P., Eiamsa-ard, S.	Promvong, P.	Mechanical
177	Conference	International	Heat transfer and fluid flow behaviors in a five-start spiral corrugated tube	AIP Conference Proceedings	2017	Promthaisong, P., Jedsadaratanachai, W., Chuwattanakul, V., Eiamsa-Ard, S.	Jedsadaratanachai, W./ Chuwattanakul, V.	Mechanical/Food
178	Conference	International	Simulation of turbulent heat transfer characteristics in a corrugated tube with five-channel twisted tape inserts	AIP Conference Proceedings	2017	Promthaisong, P., Jedsadaratanachai, W., Chuwattanakul, V., Eiamsa-Ard, S.	Jedsadaratanachai, W./ Chuwattanakul, V.	Mechanical/Food
179	Journal	International	Flow and thermal mechanisms in a heat exchanger tube inserted with twisted cross-baffle turbulators	Applied Thermal Engineering	2017	Nanan, K., Thianpong, C., Pimsarn, M., Chuwattanakul, V., Eiamsa-ard, S.	Thianpong, C./ Pimsarn, M./ Chuwattanakul, V.	Mechanical/Mechanical/Food
180	Journal	International	Heat transfer evaluation of turbulent flows through gear-ring elements	Applied Thermal Engineering	2017	Ruengpayungsak, K., Wongcharee, K., Thianpong, C., Pimsarn, M., Chuwattanakul, V., Eiamsa-ard, S.	Thianpong, C./ Pimsarn, M./ Chuwattanakul, V.	Mechanical/Mechanical/Food

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181	Conference	International	A lab-scale heliostat positioning control using fuzzy logic based stepper motor drive with micro step and multi-frequency mode	IEEE International Conference on Fuzzy Systems	2017	Jirasuwankul, N., Manop, C.	Manop, C.	Power
182	Conference	International	A micro-ellipsometry method based on polarization shifting interferometry for determining complex reflective index	Proceedings of the 2016 International Conference on Instrumentation, Control, and Automation, ICA 2016	2017	Khunrattanasiri, W., Boonsang, S.	Boonsang, S.	Power
183	Conference	International	An effective technique to improve generator-set efficiency for charging battery using IPMSG	Conference Proceedings - 2017 17th IEEE International Conference on Environment and Electrical Engineering and 2017 1st IEEE Industrial and Commercial Power Systems Europe, IEEEIC / I and CPS Europe 2017	2017	Lumyong, P., Sarikprueck, P.	Lumyong, P./ Sarikprueck, P.	Power
184	Conference	International	An image-based visual servo control system based on an eye-in-hand monocular camera for autonomous robotic grasping	Proceedings of the 2016 International Conference on Instrumentation, Control, and Automation, ICA 2016	2017	Tongloy, T., Boonsang, S.	Boonsang, S.	Power
185	Conference	International	Analysis and investigation on the behavior and performance of single phase grid connected induction generators system	2017 20th International Conference on Electrical Machines and Systems, ICEMS 2017	2017	Nuttapong, P., Sawetsakulanond, B., Kinnaree, V.	Kinnaree, V.	Power
186	Conference	International	Analysis of grid-connected photovoltaic system using PSIM	2017 International Conference on Sustainable and Renewable Energy Engineering, ICSREE 2017	2017	Bunjongjit, S., Tanuphol, P., Ngaopitakkul, A., Pothisam, C.	Bunjongjit, S./ Ngaopitakkul, A.	Power
187	Conference	International	Analysis of harmonics in indoor Lighting System with LED and fluorescent luminaire	2017 IEEE 3rd International Future Energy Electronics Conference and ECCE Asia, IFEEC - ECCE Asia 2017	2017	Bunjongjit, S., Ngaopitakkul, A., Leelajindakraierk, M.	Bunjongjit, S./ Ngaopitakkul, A.	Power
188	Conference	International	Analysis of interturn fault characteristics in single phase transformer using experimental setup	19th International Conference on Electrical Machines and Systems, ICEMS 2016	2017	Bunjongjit, S., Klomjit, J., Ngaopitakkul, A.	Bunjongjit, S./ Ngaopitakkul, A.	Power
189	Conference	International	Analysis of power quality issue in arc furnace capacitor bank system	19th International Conference on Electrical Machines and Systems, ICEMS 2016	2017	Sreewirete, B., Ngaopitakkul, A.	Ngaopitakkul, A.	Power
190	Conference	International	Assessment of vector controlled asymmetrical two-phase induction generator driven by wind turbine simulator	19th International Conference on Electrical Machines and Systems, ICEMS 2016	2017	Choorak, C., Thodsaporn, N., Kinnaree, V.	Kinnaree, V.	Power

บทความวิจัยที่ได้รับการตีพิมพ์และเผยแพร่ในปี ค.ศ. 2017  
คณะวิศวกรรมศาสตร์ สถาบันเทคโนโลยีพระจอมเกล้าเจ้าคุณทหารลาดกระบัง

ลำดับ ที่	ประเภทของ บทความ	ระดับชาติ/ นานาชาติ	ชื่อบทความวิจัย / ชื่อสิ่งประดิษฐ์	ชื่อวารสาร / ชื่อการประชุมวิชาการ	ปีค.ศ.ที่ ตีพิมพ์	จำนวนผู้แต่งทั้งหมด	ชื่อผู้แต่งที่อยู่ในสังกัด	ภาควิชาของผู้ แต่งที่อยู่ใน สังกัด
191	Conference	International	Behavior analysis of winding to ground fault in transformer using high and low frequency components from discrete wavelet transform	Proceedings of the 2017 IEEE International Conference on Applied System Innovation: Applied System Innovation for Modern Technology, ICASI 2017	2017	Rummdkarn, J., Ngaopitakkul, A.	Ngaopitakkul, A.	Power
192	Conference	International	Bounds for optimal control of a regional plug-in electric vehicle charging station system	2017 IEEE/IAS 53rd Industrial and Commercial Power Systems Technical Conference, I and CPS 2017	2017	Sarikprueck, P., Lee, W.-J., Kulvanitchaiyanunt, A., Chen, V.C.P., Rosenberger, J.	Sarikprueck, P.	Power
193	Conference	International	Electromagnetic interference in photovoltaic system and mitigation of conducted noise at DC side	IEEE Region 10 Annual International Conference, Proceedings/TENCON	2017	Jiraprasertwong, J., Jettanasen, C.	Jettanasen, C.	Power
194	Conference	International	Fault classification on the hybrid transmission line system between overhead line and underground cable	IFSA-SCIS 2017 - Joint 17th World Congress of International Fuzzy Systems Association and 9th International Conference on Soft Computing and Intelligent Systems	2017	Klomjit, J., Ngaopitakkul, A.	Ngaopitakkul, A.	Power
195	Conference	International	Generation and storage of electrical energy from piezoelectric materials	2017 IEEE 3rd International Future Energy Electronics Conference and ECCE Asia, IFEEC - ECCE Asia 2017	2017	Songsukthawan, P., Jettanasen, C.	Jettanasen, C.	Power
196	Conference	International	Implementation of a Rogowski's coil for partial discharge detection	19th International Conference on Electrical Machines and Systems, ICEMS 2016	2017	Paophan, B., Kunakorn, A., Yutthagowith, P.	Kunakorn, A./ Yutthagowith, P.	Power
197	Conference	International	Implementation of FPGA and real-time processor for islanding monitoring and protection of grid connected induction generator	19th International Conference on Electrical Machines and Systems, ICEMS 2016	2017	Buangam, W., Sawetsakulanond, B., Kinnares, V.	Kinnares, V.	Power
198	Conference	International	Increasing efficiency of an electricity production system from solar energy with a method of reducing solar panel temperature	Proceedings of the 2017 IEEE International Conference on Applied System Innovation: Applied System Innovation for Modern Technology, ICASI 2017	2017	Sreewirote, B., Noppakant, A., Pothisarn, C.	Pothisarn, C.	Power
199	Conference	International	Investigation of skew effect on the behavior and performance of grid connected induction generators	19th International Conference on Electrical Machines and Systems, ICEMS 2016	2017	Sawetsakulanond, B., Kinnares, V.	Kinnares, V.	Power
200	Conference	International	Power flow monitoring and analysis for 24.6 MW at 6.9 kV bus Diesel Power Plant(DPP) using ETAP	2016 International Conference on Smart Grid and Clean Energy Technologies, ICSGCE 2016	2017	Klungtong, S., Chompoo-Inwai, C.	Chompoo-Inwai, C./ Chompoo-Inwai, C.	Power

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201	Conference	International	Power loss analysis in distribution system comprising photovoltaic energy source	19th International Conference on Electrical Machines and Systems, ICEMS 2016	2017	Chiradeja, P., Pothisarn, C.	Pothisarn, C.	Power
202	Conference	International	Power quality analysis of grid connected solar power inverter	2017 IEEE 3rd International Future Energy Electronics Conference and ECCE Asia, IFEEC - ECCE Asia 2017	2017	Phannil, N., Jettanasen, C., Ngaopitakkul, A.	Jettanasen, C./ Ngaopitakkul, A.	Power
203	Conference	International	Power swing and voltage stabilization by PV generator with active and reactive power controls	2017 IEEE Manchester PowerTech, Powertech 2017	2017	Pothisoonthorn, S., Ngamroo, I., Kunakorn, A.	Ngamroo, I./ Kunakorn, A.	Power
204	Conference	International	Reliability indices estimation in PEA distribution system using ANNs	Proceedings of 2017 International Conference on Green Energy and Applications, ICGEA 2017	2017	Jiriwibhakorn, S., Kaewmanee, K.	Jiriwibhakorn, S.	Power
205	Conference	International	Ripple current reduction using interleaving technique for three-level ZVZCS DC-DC converter	IEEE Region 10 Annual International Conference, Proceedings/TENCON	2017	Meesrisuk, W., Sarasiri, N., Jangwanitlert, A.	Jangwanitlert, A.	Power
206	Conference	International	Selection of proper input pattern in fuzzy logic algorithm for classifying the fault type in underground distribution system	IEEE Region 10 Annual International Conference, Proceedings/TENCON	2017	Klomjit, J., Ngaopitakkul, A.	Ngaopitakkul, A.	Power
207	Journal	International	A case study on Thailand's New Teleprotection regulation: Direct transfer trip application in distributed generation network	International Journal of Intelligent Engineering and Systems	2017	Chotiwanaporn, N., Chompoo-Inwai, C.	Chompoo-Inwai, C./ Chompoo-Inwai, C.	Power
208	Journal	International	A flash photography method for the measurements of the fluid flow dynamic of a fluid dispensing system	Measurement: Journal of the International Measurement Confederation	2017	Boonsang, S., Lertkittiwattanukul, W.	Boonsang, S.	Power
209	Journal	International	Adaptive Signal Selection of Wide Area Damping Controllers under Various Operating Conditions	IEEE Transactions on Industrial Informatics	2017	Surinkaew, T., Ngamroo, I.	Ngamroo, I.	Power
210	Journal	International	An improved Current Voltage Transferring Device for high current high frequency measurement	Electric Power Systems Research	2017	Pattanadech, N., Kando, M.	Pattanadech, N.	Power

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211	Journal	International	Analysis of a switched-reluctance generator for maximum energy conversion	IEEJ Journal of Industry Applications	2017	Wongguokoon, S., Kittiratsatcha, S.	Kittiratsatcha, S.	Power
212	Journal	International	Application of probabilistic neural network with transmission and distribution protection schemes for classification of fault types on radial, loop, and underground structures	Electrical Engineering	2017	Ngaopitakkul, A., Leelajindakrairek, M.	Ngaopitakkul, A.	Power
213	Journal	International	Bounds for Optimal Control of a Regional Plug-In Electric Vehicle Charging Station System	IEEE Transactions on Industry Applications	2017	Sarikprueck, P., Lee, W., Kulvanitchaiyanunt, A., Chen, V., Rosenberger, J.	Sarikprueck, P.	Power
214	Journal	International	Comparison of starting current characteristics for three-phase induction motor due to phase-control soft starter and asynchronous PWM AC chopper	Journal of Electrical Engineering and Technology	2017	Thanyaphirak, V., Kinnares, V., Kunakorn, A.	Kinnares, V./ Kunakorn, A.	Power
215	Journal	International	Development of a new part of casing cap for the parking brake cable using finite element analysis	International Journal of Innovative Computing, Information and Control	2017	Buthgate, S., Saenthon, A., Kaitwanidvilai, S.	Kaitwanidvilai, S.	Power
216	Journal	International	Effect of concentrated natural rubber latex on the properties and degradation behavior of cotton-fiber-reinforced cassava starch biofoam	Industrial Crops and Products	2017	Sanhawong, W., Banhalee, P., Boonsang, S., Kaewpirom, S.	Boonsang, S.	Power
217	Journal	International	Enhanced electrostatic dissipative properties of chitosan/gelatin composite films filled with reduced graphene oxide	Journal of Materials Science: Materials in Electronics	2017	Srihata, W., Jammongkan, T., Rattanasak, U., Boonsang, S., Kaewpirom, S.	Boonsang, S.	Power
218	Journal	International	Evaluation of a three-phase three-level ZVZCS DC-DC converter using phase-shift PWM strategy	Journal of Electrical Engineering and Technology	2017	Kongwirat, T., Jangwanitlert, A.	Jangwanitlert, A.	Power
219	Journal	International	Implementation of a low-cost single-phase grid-connected photovoltaic system with active power filtering mechanism	International Review of Electrical Engineering	2017	Chaitanakulwat, A., Kinnares, V.	Kinnares, V.	Power
220	Journal	International	Improvement of power system transient stability by PV farm with fuzzy gain scheduling of PID controller	IEEE Systems Journal	2017	Chaiyatham, T., Ngamroo, I.	Ngamroo, I.	Power

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221	Journal	International	Low order robust $V$ -gap metric $H_{\infty}$ loop shaping controller synthesis based on particle swarm optimization	International Journal of Innovative Computing, Information and Control	2017	Konghuayrob, P., Kaitwanidvilai, S.	Kaitwanidvilai, S.	Power
222	Journal	International	Optical and electrical performance comparisons between high power LED and HMI studio lighting including the engineering economics analysis	Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh Kan	2017	Prechaveerakul, J., Chompoo-Inwai, C.	Chompoo-Inwai, C./ Chompoo-Inwai, C.	Power
223	Journal	International	Review of DFIG wind turbine impact on power system dynamic performances	IEEJ Transactions on Electrical and Electronic Engineering	2017	Ngamroo, I.	Ngamroo, I.	Power
224	Journal	International	Simulation analysis of the switching of 230kV substation shunt capacitor banks with a 6% series reactor for limiting transient inrush currents and oscillation overvoltage	Electrical Engineering	2017	Patcharoen, T., Ngaopitakkul, A., Pothisarn, C., Leelajindakrairerk, M.	Ngaopitakkul, A./ Pothisarn, C.	Power
225	Journal	International	Simultaneous control of frequency fluctuation and battery SOC in a smart grid using LFC and EV controllers based on optimal MIMO-MPC	Journal of Electrical Engineering and Technology	2017	Pahasa, J., Ngamroo, I.	Ngamroo, I.	Power
226	Conference	International	Analyzing technique for electrical energy monitoring system in Thailand hospital	Conference Proceedings - 2017 17th IEEE International Conference on Environment and Electrical Engineering and 2017 1st IEEE Industrial and Commercial Power Systems Europe, IEEEIC / I and CPS Europe 2017	2017	Sarikprueck, P., Attaphong, C., Lumyong, P., Ngamwatthanasilpa, B.	Sarikprueck, P./ Attaphong, C./ Lumyong, P.	Power/Civil/Power
227	Conference	International	Two-phase induction motor drive improvement for PV water pumping system	19th International Conference on Electrical Machines and Systems, ICEMS 2016	2017	Hayakwong, E., Kinnaree, V., Bunlaksananusorn, C.	Kinnaree, V./ Bunlaksananusorn, C.	Power/Instrument
228	Conference	International	0.5-V fully differential allpass section	2016 International Symposium on Intelligent Signal Processing and Communication Systems, ISPACS 2016	2017	Phatsornsiri, P., Kumngern, M., Khateb, F.	Kumngern, M.	Telecom
229	Conference	International	A broadband dual-sense circularly polarized antenna	2017 IEEE International Conference on Computational Electromagnetics, ICCEM 2017	2017	Lertsakwimam, K., Phongcharoenpanich, C., Fukusako, T.	Phongcharoenpanich, C.	Telecom
230	Conference	International	A new method for image communication via low bit rate channel	20th International Computer Science and Engineering Conference: Smart Ubiquitous Computing and Knowledge, ICSEC 2016	2017	Boonjanawirod, P., Srithanasarn, K., Sittichivapak, S.	Sittichivapak, S.	Telecom

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231	Conference	International	A Wien-type oscillator using ECCII	2016 International Symposium on Intelligent Signal Processing and Communication Systems, ISPACS 2016	2017	Suksaibul, P., Lerkvaranyu, S., Kumngern, M.	Lerkvaranyu, S./ Kumngern, M.	Telecom
232	Conference	International	An adaptive demodulation for OFDM signal	2016 International Symposium on Intelligent Signal Processing and Communication Systems, ISPACS 2016	2017	Manosueb, A., Koseeyaporn, J., Wardkein, P.	Koseeyaporn, J./ Wardkein, P.	Telecom
233	Conference	International	Analysis of a sensor for fruit classification using Rician k-factor in a continuous process	2016 IEEE Conference on Antenna Measurements and Applications, CAMA 2016	2017	Leekul, P., Krairiksh, M.	Krairiksh, M.	Telecom
234	Conference	International	CMOS D/A converter using current conveyor analogue switches	2016 International Symposium on Intelligent Signal Processing and Communication Systems, ISPACS 2016	2017	Nonthaputha, T., Kumngern, M., Moungnoul, P.	Kumngern, M./ Moungnoul, P.	Telecom
235	Conference	International	CMOS sample-and-hold circuit using current conveyor analogue switch	2016 International Symposium on Intelligent Signal Processing and Communication Systems, ISPACS 2016	2017	Nonthaputha, T., Kumngern, M., Lerkvaranyu, S.	Kumngern, M./ Lerkvaranyu, S.	Telecom
236	Conference	International	Design and implement of GPON-FTTH network for residential condominium	Proceedings of the 2017 14th International Joint Conference on Computer Science and Software Engineering, JCSSE 2017	2017	Jirachariyakool, R., Sra-lum, N., Lerkvaranyu, S.	Sra-lum, N./ Lerkvaranyu, S.	Telecom
237	Conference	International	Design of circularly polarized unidirectional antenna using probe-excited circular ring antenna above the square reflector with inserted metallic slabs	ISAP 2016 - International Symposium on Antennas and Propagation	2017	Phongcharoenpanich, C., Lertsakwimarn, K., Sukkamat, R., Mhudtongon, N., Kosulvit, S., Akkaraekthalin, P.	Phongcharoenpanich, C.	Telecom
238	Conference	International	Design of LDPC codes for unequal ISI channels	2017 IEEE International Magnetics Conference, INTERMAG 2017	2017	Phakphisut, W., Supnithi, P.	Phakphisut, W./ Supnithi, P.	Telecom
239	Conference	International	Dual-band chipless RFID sensor for a material quality monitoring application	ISAP 2016 - International Symposium on Antennas and Propagation	2017	Suwalak, R., Lertsakwimarn, K., Phongcharoenpanich, C., Torrungrueng, D.	Phongcharoenpanich, C.	Telecom
240	Conference	International	E-plane choke waveguide aperture antenna for front-fed parabolic reflector	2017 IEEE International Conference on Computational Electromagnetics, ICCEM 2017	2017	Chaihongsa, W., Nuangwongsa, K., Phongcharoenpanich, C.	Phongcharoenpanich, C.	Telecom



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241	Conference	International	Evaluation of DVB-T2 transmission channel in Bangkok, Thailand	2nd Joint International Conference on Digital Arts, Media and Technology 2017: Digital Economy for Sustainable Growth, ICDAMT 2017	2017	Suwansukho, N., Promwong, S., Chamchoy, M.	Promwong, S./ Chamchoy, M.	Telecom
242	Conference	International	Evaluation of SFN gain for DVB-T2	2nd Joint International Conference on Digital Arts, Media and Technology 2017: Digital Economy for Sustainable Growth, ICDAMT 2017	2017	Ruckveratham, B., Promwong, S.	Promwong, S.	Telecom
243	Conference	International	Evaluation of tropical near-surface wind forecasts using ground observations	2017 8th International Renewable Energy Congress, IREC 2017	2017	Surussavadee, C.	Surussavadee, C.	Telecom
244	Conference	International	Evaluation of WRF near-surface wind simulations in tropics employing different planetary boundary layer schemes	2017 8th International Renewable Energy Congress, IREC 2017	2017	Surussavadee, C.	Surussavadee, C.	Telecom
245	Conference	International	Experimental study of DVB-T2 in Thailand	20th International Computer Science and Engineering Conference: Smart Ubiquitous Computing and Knowledge, ICSEC 2016	2017	Suwansukho, N., Promwong, S.	Promwong, S.	Telecom
246	Conference	International	FM bandwidth scaling by Frequency operation under injection locked phenomena based on multi-time variable analysis	2017 4th International Conference on Electrical and Electronics Engineering, ICEEE 2017	2017	Kittipute, K., Karjanasomeranwong, H., Wardkein, P., Tuwanut, P.	Wardkein, P.	Telecom
247	Conference	International	HB-UWB transmission waveform model for wireless body area network	BMEiCON 2016 - 9th Biomedical Engineering International Conference	2017	Teawchim, S., Promwong, S.	Promwong, S.	Telecom
248	Conference	International	Multi-parents genetic algorithm optimization scheme for linear array antenna synthesis	2017 IEEE International Conference on Computational Electromagnetics, ICCEM 2017	2017	Sakonkanapong, A., Todnatee, S., Phongcharoenpanich, C.	Phongcharoenpanich, C.	Telecom
249	Conference	International	Multipath interference cancellation in multiantenna system with blind channel estimation method	2016 International Symposium on Intelligent Signal Processing and Communication Systems, ISPACS 2016	2017	Duangsuwan, S., Promwong, S.	Promwong, S.	Telecom
250	Conference	International	Performance evaluation scheme of wideband antennas for ultra-wideband systems	2nd Joint International Conference on Digital Arts, Media and Technology 2017: Digital Economy for Sustainable Growth, ICDAMT 2017	2017	Udomsom, S., Yooyatvong, T., Chaisrichaoren, R., Kamyod, C., Promwong, S.	Promwong, S.	Telecom

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251	Conference	International	Phased array of switched beam elements and application	ISAP 2016 - International Symposium on Antennas and Propagation	2017	Kittiyapunya, C., Krairiksh, M.	Krairiksh, M.	Telecom
252	Conference	International	Quadrature Oscillator Using Operational Transresistance Amplifiers	Proceedings - International Conference on Intelligent Systems, Modelling and Simulation, ISMS	2017	Torteanchai, U., Phatsornsiri, P., Kumngern, M.	Kumngern, M.	Telecom
253	Conference	International	Realization of switched-beam metamaterial-inspired microstrip antenna	2nd Joint International Conference on Digital Arts, Media and Technology 2017: Digital Economy for Sustainable Growth, ICDAMT 2017	2017	Kawdungta, S., Phongcharoenpanich, C.	Phongcharoenpanich, C.	Telecom
254	Conference	International	Statistical Analysis of Separation Distance between Equatorial Plasma Bubbles	Proceedings - 2017 IEEE 13th International Symposium on Autonomous Decentralized Systems, ISADS 2017	2017	Bumrungrkit, A., Supnithi, P.	Supnithi, P.	Telecom
255	Conference	International	Study of UWB indoor localization using fingerprinting technique with different number of antennas	20th International Computer Science and Engineering Conference: Smart Ubiquitous Computing and Knowledge, ICSEC 2016	2017	Vinichayakul, W., Promwong, S., Supanakoon, P.	Promwong, S./ Supanakoon, P.	Telecom
256	Conference	International	UWB transmission measurement and modeling for indoor localization	20th International Computer Science and Engineering Conference: Smart Ubiquitous Computing and Knowledge, ICSEC 2016	2017	Promwong, S., Southisombat, P.	Promwong, S.	Telecom
257	Journal	International	A comparison of neural network-based predictions of foF2 with the IRI-2012 model at conjugate points in Southeast Asia	Advances in Space Research	2017	Wichaiapanich, N., Hozumi, K., Supnithi, P., Tsugawa, T.	Supnithi, P.	Telecom
258	Journal	International	A new expression for computing the bottomside thickness parameter and comparisons with the NeQuick and IRI-2012 models during declining phase of solar cycle 23 at equatorial latitude station, Chumphon, Thailand	Advances in Space Research	2017	Jamjareegulgarn, P., Supnithi, P., Watthanasangmechai, K., Yokoyama, T., Tsugawa, T., Ishii, M.	Supnithi, P.	Telecom
259	Journal	International	An improvement of indoor navigation system based on fingerprinting technique using K-Means clustering algorithm	Journal of Engineering and Applied Sciences	2017	Sangthong, J., Promwong, S.	Promwong, S.	Telecom
260	Journal	International	Beam-Scanning Reflectometer for Detecting Granulated Fruits	IEEE Sensors Journal	2017	Kittiyapunya, C., Leekul, P., Phongcharoenpanich, C., Krairiksh, M.	Phongcharoenpanich, C./ Krairiksh, M.	Telecom

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261	Journal	International	Current mode pulse width modulation/pulse position modulation based on phase lock loop	Journal of Electrical Engineering	2017	Wisartpong, P., Silaphan, V., Kurutach, S., Wardkein, P.	Wardkein, P.	Telecom
262	Journal	International	Design of LDPC Codes for Unequal ISI Channels	IEEE Transactions on Magnetics	2017	Phakphisut, W., Supnithi, P.	Phakphisut, W./ Supnithi, P.	Telecom
263	Journal	International	Dual-band circularly polarized flat antenna with plano convex and concave slots for RFID readers	International Journal of RF and Microwave Computer-Aided Engineering	2017	Wongsakulphasatch, P., Phongcharoenpanich, C.	Phongcharoenpanich, C.	Telecom
264	Journal	International	Electronically tunable MOS-only current-mode high-order band-pass filters	Turkish Journal of Electrical Engineering and Computer Sciences	2017	Prommee, P., Tiamsuphat, A., Taher Abuelma'Atti, M.	Prommee, P.	Telecom
265	Journal	International	Equinoctial spread-F occurrence at low latitudes in different longitude sectors under moderate and high solar activity	Journal of Atmospheric and Solar-Terrestrial Physics	2017	Pietrella, M., Pezzopane, M., Fagundes, P.R., de Jesus, R., Supnithi, P., Klingam, S., Ezquer, R.G., Cabrera, M.A.	Supnithi, P.	Telecom
266	Journal	International	Frequency reconfigurable multiband antenna with embedded biasing network	IET Microwaves, Antennas and Propagation	2017	Romputtal, A., Phongcharoenpanich, C.	Phongcharoenpanich, C.	Telecom
267	Journal	International	Fully-balanced four-terminal floating nullor for ultra-low voltage analogue filter design	IET Circuits, Devices and Systems	2017	Kumngern, M., Khateb, F., Kulej, T.	Kumngern, M.	Telecom
268	Journal	International	High input impedance voltage-mode universal filter and its modification as quadrature oscillator using VDDAs	Indian Journal of Pure and Applied Physics	2017	Tuntrakool, S., Kumngern, M., Sotner, R., Herencsar, N., Suwanjan, P., Jaikla, W.	Kumngern, M.	Telecom
269	Journal	International	Homodyne detection of short-range Doppler radar using a forced oscillator model	Scientific Reports	2017	Kittipute, K., Saratayon, P., Srisook, S., Wardkein, P.	Wardkein, P.	Telecom
270	Journal	International	Integrable CMOS-Based Current-Mode Sinusoidal Frequency and Peak Detector	Circuits, Systems, and Signal Processing	2017	Prommee, P.	Prommee, P.	Telecom

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271	Journal	International	Investigated performance of Davidson model for DVB-T2 propagation in medium and small urban area	Journal of Engineering and Applied Sciences	2017	Keawbunsong, P., Supannakoon, P., Promwong, S.	Promwong, S.	Telecom
272	Journal	International	Ionospheric peak height at the magnetic equator: Comparison between ionosonde measurements and IRI	Advances in Space Research	2017	Maruyama, T., Ma, G., Tsugawa, T., Supnithi, P., Komolmis, T.	Supnithi, P.	Telecom
273	Journal	International	Log-domain high-order low-pass and band-pass filters	AEU - International Journal of Electronics and Communications	2017	Prommee, P., Thongdit, P., Angkeaw, K.	Prommee, P.	Telecom
274	Journal	International	Low-Complexity and High-Modularity Structure for Implementing Transient-Free Pascal-Delay Filter	IEEE Transactions on Signal Processing	2017	Soontornwong, P., Deng, T.-B., Chivapreecha, S.	Chivapreecha, S.	Telecom
275	Journal	International	Low-Voltage Diode-Less Rectifier Based on Fully Differential Difference Transconductance Amplifier	Journal of Circuits, Systems and Computers	2017	Khateb, F., Kulej, T., Kumngern, M., Kledrowetz, V.	Kumngern, M.	Telecom
276	Journal	International	Mixed-mode third-order quadrature oscillator based on single MCCFTA	Radioengineering	2017	Khaw-Ngam, K., Kumngern, M., Khateb, F.	Kumngern, M.	Telecom
277	Journal	International	OTA-Based current square-rooting circuit	Far East Journal of Electronics and Communications	2017	Kumngern, M., Torteanchai, U.	Kumngern, M.	Telecom
278	Journal	International	Prediction model for broadcasting propagation in urban area	Journal of Engineering and Applied Sciences	2017	Keawbunsong, P., Supannakoon, P., Promwong, S.	Promwong, S.	Telecom
279	Journal	International	Programmable Universal Filters Using Current Conveyor Transconductance Amplifiers	Journal of Circuits, Systems and Computers	2017	Nonthaputha, T., Kumngern, M.	Kumngern, M.	Telecom
280	Journal	International	QPSK modulator with continuous phase and fast response based on phase-locked loop	Radioengineering	2017	Kirasamuthranon, L., Koseeyaporn, J., Wardkein, P.	Koseeyaporn, J./ Wardkein, P.	Telecom

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281	Journal	International	Shadow filters based on DDCC	IET Circuits, Devices and Systems	2017	Khateb, F., Jaikla, W., Kulej, T., Kumngern, M., Kubánek, D.	Kumngern, M.	Telecom
282	Journal	International	Simple and Low-Cost Dual-Band Printed Microwave Absorber for 2.4- and 5-GHz-Band Applications	Frequenz	2017	Khoomwong, E., Phongcharoenpanich, C.	Phongcharoenpanich, C.	Telecom
283	Journal	International	Study of ionospheric topside variations based on NeQuick topside formulation and comparisons with the IRI-2012 model at equatorial latitude station, Chumphon, Thailand	Advances in Space Research	2017	Jamjareegulgam, P., Supnithi, P., Hozumi, K., Tsugawa, T.	Supnithi, P.	Telecom
284	Journal	International	Superstrate-integrated switchable beam rectangular microstrip antenna for gain enhancement	Radioengineering	2017	Kawdungta, S., Jaibanauem, P., Pongga, R., Phongcharoenpanich, C.	Phongcharoenpanich, C.	Telecom
285	Journal	International	The dynamics of wetland cover change using a state estimation technique applied to time-series remote sensing imagery	Geomatics, Natural Hazards and Risk	2017	Insom, P., Cao, C., Boonsrimuang, P., Torteeka, P., Boonprong, S., Liu, D., Chen, W.	Boonsrimuang, P.	Telecom
286	Journal	International	Time domain equalization method for TS-OFDM signal under higher mobile environments	Eurasip Journal on Wireless Communications and Networking	2017	Reangsuntea, P., Boonsrimuang, P., Mori, K., Kobayashi, H.	Boonsrimuang, P.	Telecom
287	Journal	International	Utilization of multiple read heads for TMR prediction and correction in bit-patterned media recording	AIP Advances	2017	Busyatras, W., Warisam, C., Okamoto, Y., Nakamura, Y., Myint, L.M.M., Supnithi, P., Kovintavewat, P.	Supnithi, P.	Telecom