

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Chemistry; Electrochemistry; Instruments & Instrumentation	Lin, TW; Dhenadhayalan, N; Lee, HL; Lin, YT; Lin, KC; Chang, AHH	張秀華*	Fluorescence turn-on chemosensors based on surface-functionalized MoS2 quantum dots	SENSORS AND ACTUATORS B- CHEMICAL	15-Feb	2019
2	Chemistry	Pillay, MN; Liao, JH; Liu, CW; van Zyl, WE	劉鎮維	Aqueous Route to Stable Luminescent Tetranuclear Copper(I) Dithiophosphonate Clusters	INORGANIC CHEMISTRY	20-May	2019
3	Instruments & Instrumentation; Spectroscopy	Burba, CM; Chang, HC	張海舟	The Nature of Cation-Anion Interactions in Magnetic Ionic Liquids as Revealed Using High-Pressure Fourier Transform Infrared (FT-IR) Spectroscopy	APPLIED SPECTROSCOPY	MAY	2019
4	Science & Technology - Other Topics; Materials Science	Wang, TH; Lin, EY; Chang, HC	張海舟*	Pressure-Dependent Confinement Effect of Ionic Liquids in Porous Silica	NANOMATERIAL S	APR	2019
5	Science & Technology - Other Topics; Materials Science	Chang, YH; Chang, HC; Fu, YP	張海舟*.傅彥培	Utilizing Infrared Spectroscopy to Analyze the Interfacial Structures of Ionic Liquids/Al2O3 and Ionic Liquids/Mica Mixtures under High Pressures	NANOMATERIAL S	MAR	2019
6	Chemistry	Lin, CW; Aguilar, S; Rao, E; Mak, WH; Huang, XW; He, N; Chen, DY; Jun, D; Curson, PA; McVerry, BT; Hoek, EMV; Huang, SC; Kaner, RB	黃淑絹*	Direct grafting of tetraaniline via perfluorophenylazide photochemistry to create antifouling, low bio-adhesion surfaces	CHEMICAL SCIENCE	28-Apr	2019
7	Food Science & Technology; Pharmacology & Pharmacy	Chen, CT; Yu, JW; Ho, YP	何彥鵬*	Identification of bacteria in juice/lettuce using magnetic nanoparticles and selected reaction monitoring mass spectrometry	JOURNAL OF FOOD AND DRUG ANALYSIS	APR	2019

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8	Chemistry	Chakrahari, KK; Silalahi, RPB; Chiu, TH; Wang, XP; Azrou, N; Kahlal, S; Liu, YC; Chiang, MH; Saillard, JY; Liu, CW	劉鎮維*	Synthesis of Bimetallic Copper-Rich Nanoclusters Encapsulating a Linear Palladium Dihydride Unit	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	1-Apr	2019
9	Chemistry; Science & Technology - Other Topics; Materials Science; Physics	Thomas, AM; Dangi, BB; Yang, T; Tarczay, G; Kaiser, RI; Sun, BJ; Chen, SY; Chang, AHH; Nguyen, TL; Stanton, JF; Mebel, AM	張秀華*	Directed Gas-Phase Formation of the Germaniumsilylene Butterfly Molecule (Ge(mu-H-2)Si)	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	21-Mar	2019
10	Chemistry	Yu, MH; Yang, HH; Gu, YC; Wang, BH; Liu, FC; Lin, IJB; Lee, GH	劉福成*.林志彪	Formation of anionic NHC complexes through the reaction of benzimidazoles with mercury chloride. Subsequent protonation and transmetallation reactions	JOURNAL OF ORGANOMETALLIC CHEMISTRY	1-May	2019
11	Cell Biology	Cheng, AH; Bouchard-Cannon, P; Hegazi, S; Lowden, C; Fung, SW; Chiang, CK; Ness, RW; Cheng, HYM	江政剛	SOX2-Dependent Transcription in Clock Neurons Promotes the Robustness of the Central Circadian Pacemaker	CELL REPORTS	19-Mar	2019
12	Chemistry	Dhayal, RS; van Zyl, WE; Liu, CW	劉鎮維*	Copper hydride clusters in energy storage and conversion	DALTON TRANSACTIONS	21-Mar	2019
13	Engineering; Materials Science	Liao, WS; Ho, Y; Lin, YW; Raj, EN; Liu, KK; Chen, P; Zhou, XZ; Lu, KP; Chao, JI	陳清漂	Targeting EGFR of triple-negative breast cancer enhances the therapeutic efficacy of paclitaxel- and cetuximab-conjugated nanodiamond nanocomposite	ACTA BIOMATERIALIA	1-Mar	2019
14	Chemistry	Angamuthu, V; Tai, DF	戴達夫*	New chiral morpholine-pyrrolidine ligands affecting asymmetric selectivity in copper catalyzed Henry reaction	TETRAHEDRON LETTERS	28-Feb	2019

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15	Chemistry; Physics	Zhu, C; Frigge, R; Turner, AM; Abplanalp, MJ; Sun, BJ; Chen, YL; Chang, AHH; Kaiser, RI	張秀華*	A vacuum ultraviolet photoionization study on the formation of methanimine (CH ₂ NH) and ethylenediamine (NH ₂ CH ₂ CH ₂ NH ₂) in low temperature interstellar model ices exposed to ionizing radiation	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	28-Jan	2019
16	Biochemistry & Molecular Biology; Chemistry	Lin, CY; Tsai, SH; Tai, DF	戴達夫*	Detection of oxytocin, atrial natriuretic peptide, and brain natriuretic peptide using novel imprinted polymers produced with amphiphilic monomers	JOURNAL OF PEPTIDE SCIENCE	MAR	2019
17	Physics; Spectroscopy	Devi, S; Lin, YC; Ho, YP	何彥鵬*	Quantitative analysis of genetically modified soya using multiple reaction monitoring mass spectrometry with endogenous peptides as internal standards	EUROPEAN JOURNAL OF MASS SPECTROMETRY	FEB	2019
18	Chemistry; Physics	Thomas, AM; Dangi, BB; Yang, T; Kaiser, RI; Sun, BJ; Chou, TJ; Chang, AHH	張秀華*	A crossed molecular beams investigation of the reactions of atomic silicon (Si(P-3)) with C ₄ H ₆ isomers (1,3-butadiene, 1,2-butadiene, and 1-butyne)	CHEMICAL PHYSICS	1-Apr	2019
19	Chemistry	Liao, PK; Liu, KG; Fang, CS; Wu, YY; Liu, CW	劉鎮維*	[Ag-7(H){S ₂ CC(CN)(2)}(6)](6-): An Anionic Heptanuclear Silver Hydride Cluster Compound Stabilized by Dithiolate Ligands	JOURNAL OF CLUSTER SCIENCE	SEP	2019
20	Chemistry	Kishore, PNVN; Shi, DR; Liao, JH; Gupta, AK; Liu, CW	劉鎮維*	Synthesis and structural characterization of xanthate ligated hydrido Cu(I) clusters and Cu(I) coordination polymer	INORGANICA CHIMICA ACTA	1-Oct	2019
21	Chemistry; Science & Technology - Other Topics; Environmental Sciences & Ecology	Angamuthu, V; Tai, DF	戴達夫*	Chiral amine and macrocycle fabricated magnetic nanoparticle asymmetrically catalyzed direct aldol	SUSTAINABLE CHEMISTRY AND PHARMACY	SEP	2019

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22	Pharmacology & Pharmacy	Lin, SR; Chang, CH; Tsai, MJ; Cheng, H; Chen, JC; Leong, MK; Weng, CF	梁剛荐*.翁慶豐	The perceptions of natural compounds against dipeptidyl peptidase 4 in diabetes: from in silico to in vivo	THERAPEUTIC ADVANCES IN CHRONIC DISEASE	SEP	2019
23	Chemistry; Science & Technology - Other Topics; Materials Science; Physics	Barik, SK; Chiu, TH; Liu, YC; Chiang, MH; Gam, F; Chantrenne, I; Kahlal, S; Saillard, JY; Liu, CW	劉鎮維*	Mono- and hexa-palladium doped silver nanoclusters stabilized by dithiolates	NANOSCALE	21-Aug	2019
24	Chemistry	Chen, YX; Yang, HH; Lin, YL; Hou, JK; Chu, YJ; Liu, FC; Lee, GH	劉福成*	[3+2] cycloaddition of azido-bridged molybdenum(ii) complex with nitriles and alkynes	DALTON TRANSACTIONS	14-Sep	2019
25	Chemistry	Chiu, TH; Liao, JH; Gam, F; Chantrenne, I; Kahlal, S; Saillard, JY; Liu, CW	劉鎮維*	Homoleptic Platinum/Silver Superatoms Protected by Dithiolates: Linear Assemblies of Two and Three Centered Icosahedra Isolobal to Ne-2 and I-3(-)	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	21-Aug	2019
26	Science & Technology - Other Topics	Turner, AM; Abplanalp, MJ; Bergantini, A; Frigge, R; Zhu, C; Sun, BJ; Hsiao, CT; Chang, AHH; Meinert, C; Kaiser, RI	張秀華*	Origin of alkylphosphonic acids in the interstellar medium	SCIENCE ADVANCES	AUG	2019
27	Science & Technology - Other Topics; Materials Science; Physics	Wang, TH; Hong, SY; Chang, HC	張海舟*	The validity of high pressure IR for detecting the interactions between beta-cyclodextrin and imidazolium based ionic liquids	AIP ADVANCES	JUL	2019
28	Biochemistry & Molecular Biology; Chemistry	Chi, CT; Lee, MH; Weng, CF; Leong, MK	梁剛荐*.翁慶豐	In Silico Prediction of PAMPA Effective Permeability Using a Two-QSAR Approach	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	1-Jul	2019

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29	Pharmacology & Pharmacy	Lin, SR; Chang, CH; Hsu, CF; Tsai, MJ; Cheng, H; Leong, MK; Sung, PJ; Chen, JC; Weng, CF	翁慶豐.梁剛荐	Natural compounds as potential adjuvants to cancer therapy: Preclinical evidence	BRITISH JOURNAL OF PHARMACOLOGY		
30	Chemistry	Biswas, R; Khirid, S; Saha, M; Liu, CW; Dhayal, RS; Halder, KK	劉鎮維	Seed free high yield gold nanorods synthesis from single precursor gold(I) dithiophosphate complex	APPLIED ORGANOMETALLIC CHEMISTRY	NOV	2019
31	Chemistry	Lin, PY; Li, DY; Ho, FH; Liao, JH; Barik, SK; Liu, CW	劉鎮維*	Unified reciprocity of dithiophosphate by dichalcogenophosph(in)ate ligands on copper hydride nanoclusters via ligand exchange reaction	JOURNAL OF THE CHINESE CHEMICAL SOCIETY	SEP	2019
32	Chemistry	Zhao, L; Prendergast, MB; Kaiser, RI; Xu, B; Ablikim, U; Ahmed, M; Sun, BJ; Chen, YL; Chang, AHH; Mohamed, RK; Fischer, FR	張秀華*	Synthesis of Polycyclic Aromatic Hydrocarbons by Phenyl Addition-Dehydrocyclization: The Third Way	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION		
33	Materials Science	Wang, TH; Shen, MH; Chang, HC	張海舟*	Pressure-Dependent Stability of Imidazolium-Based Ionic Liquid/DNA Materials Investigated by High-Pressure Infrared Spectroscopy	MATERIALS	2-Dec	2019