

| NO | Subject Category | Author | 作者 | Title | Publication Name | PD | PY |
|----|----------------------------------|---|-----------------|---|---------------------------------|--------|------|
| 1 | Chemistry | Liu, FC; Chen, HG; Lee, GH | 劉福成* | trinuclear Zirconium Polyhydride $((\text{Cp}^*\text{Zr}(\text{BH}_3\text{CH}_3))(\mu\text{-H})(2)\{\text{Cp}^*\text{Zr}(\text{BH}_3\text{CH}_3))(\mu\text{-H})\}\text{Cp}^*\text{Zr}(\text{BH}_3\text{CH}_3)))(\mu\text{-kappa}(2)(\text{C},\text{H}):\text{kappa}(1)(\text{C}):\text{kappa}(2)(\text{C},\text{H})\text{-CHBH}_3)$ and Its Derivatives: Compounds Containing a Pentacoordinated Carbon | ORGANO METALLICS | 12-Jan | 2015 |
| 2 | Pharmacology & Pharmacy | Hsu, CY; Sulake, RS; Huang, PK; Shih, HY; Sie, HW; Lai, YK; Chen, C; Weng, CF | 翁慶豐*, 陳清漂 | Synthetic (+)-antroquinonol exhibits dual actions against insulin resistance by triggering AMP kinase and inhibiting dipeptidyl peptidase IV activities | BRITISH JOURNAL OF PHARMACOLOGY | JAN | 2015 |
| 3 | Biochemistry & Molecular Biology | Chakraborty, S; Lin, SH; Shiuan, D; Tai, NF | 宣大衛*, 戴達夫 | Syntheses of some alpha-cyclic tripeptides as potential inhibitors for HMG-CoA Reductase | AMINO ACIDS | AUG | 2015 |
| 4 | Pharmacology & Pharmacy | Nagababu, P; Barui, AK; Thulasiram, B; Devi, CS; Satyanarayana, S; Patra, CR; Sreedhar, B | Devi, C. Shobha | Antiangiogenic Activity of Mononuclear Copper(II) Polypyridyl Complexes for the Treatment of Cancers | JOURNAL OF MEDICINAL CHEMISTRY | 9-Jul | 2015 |
| 5 | Chemistry | Sulake, RS; Lin, HH; Hsu, CY; Weng, CF; Chen, CB | 翁慶豐*, 陳清漂 | Synthesis of (+)-Antroquinonol: An Antihyperglycemic Agent | JOURNAL OF ORGANIC CHEMISTRY | 19-Jun | 2015 |

| NO | Subject Category | Author | 作者 | Title | Publication Name | PD | PY |
|----|--|--|--------------|--|---|---------|------|
| 6 | Pharmacology & Pharmacy | Chakraborty, S; Tai, DF; Lin, YC; Chiou, TW | 邱紫文. 戴達夫* | Antitumor and Antimicrobial Activity of Some Cyclic Tetrapeptides and Tripeptides Derived from Marine Bacteria | MARINE DRUGS | MAY | 2015 |
| 7 | Chemistry | Dhayal, RS; Liao, JH; Kahlal, S; Wang, XP; Liu, YC; Chiang, MH; van Zyl, WE; Saillard, JY; Liu, CW | 劉鎮維* | [Cu-32(H)(20){S2P(OiPr)(2)}(12)]: The Largest Number of Hydrides Recorded in a Molecular Nanocluster by Neutron Diffraction | CHEMISTRY-A EUROPEAN JOURNAL | 1-Jun | 2015 |
| 8 | Oncology | Koymanapatra, G; Dinda, J; Mishra, A; Mahapatra, A; Hwang, WS; Mandal, CM | 黃文樞 | Cytotoxic potency of self-assembled Ruthenium(H)-NHC complexes with pincer type 2, 6-bis(N-methylimidazolylidene)/benzimidazolylidene)pyrazine ligands | JOURNAL OF CANCER RESEARCH AND THERAPEUTICS | JAN-MAR | 2015 |
| 9 | Pharmacology & Pharmacy ; Chemistry | Hsieh, YH; Liu, KK; Sulake, RS; Chao, JI; Chen, CP | 陳清漂 | Microwave-assisted efficient conjugation of nanodiamond and paclitaxel | BIOORGANIC & MEDICINAL CHEMISTRY LETTERS | 15-May | 2015 |
| 10 | Chemistry | Dhayal, RS; Liao, JH; Hou, HN; Ervilita, R; Liao, PK; Liu, CW | 劉鎮維* | Copper(I) diselenocarbamate clusters: synthesis, structures and single-source precursors for Cu and Se composite materials | DALTON TRANSACTIONS | | 2015 |

| NO | Subject Category | Author | 作者 | Title | Publication Name | PD | PY |
|----|---------------------|--|------|---|---|--------|------|
| 11 | Chemistry ; Physics | Chen, BJ; Tsai, PY; Huang, TK; Xia, ZH; Lin, KC; Chiou, CJ; Sun, BJ; Chang, AHH | 張秀華 | Characterization of molecular channel in photodissociation of SOCl ₂ at 248 nm: Cl-2 probing by cavity ring-down absorption spectroscopy | PHYSICAL CHEMISTRY CHEMICAL PHYSICS | | 2015 |
| 12 | Chemistry | Chen, RY; Dhondge, AP; Lee, GH; Chen, CP | 陳清漂* | A Chiral Bipyridyl Alcohol for Catalytic Enantioselective Nozaki-Hiyama-Kishi Allylation of Aldehydes and Ketones | ADVANCED SYNTHESIS & CATALYSIS | 23-Mar | 2015 |
| 13 | Chemistry | Dhayal, RS; Liao, JH; Liu, YC; Chiang, MH; Kahlal, S; Saillard, JY; Liu, CW | 劉鎮維 | [Ag-21{S2P(OiPr)(2)}(12)](+): An Eight-Electron Superatom | ANGEWANDTE CHEMIE-INTERNATIONAL EDITION | 16-Mar | 2015 |
| 14 | Chemistry | Roymahapatra, G; Sarkar, D; Nandi, A; Giri, S; Mondal, TK; Mahapatra, A; Hwang, WS; Dinda, J | 黃文樞 | Synthesis, structure, electrochemistry, fluorescent and DFT study of Ru-II complexes with pincer-type 2,6-bis-(N-methylimidazolylidene)benzimidazolylidene)pyrazine ligands | JOURNAL OF THE INDIAN CHEMICAL SOCIETY | JAN | 2015 |

| NO | Subject Category | Author | 作者 | Title | Publication Name | PD | PY |
|----|--------------------------|---|--------------|--|--|--------|------|
| 15 | Biophysics; Spectroscopy | LO, CJ; Chyan, CL; Chen, YC; Chang, CF; Huang, HB; Lin, TH | 錢嘉琳 | Resonance assignments and secondary structure of apolipoprotein E C-terminal domain in DHPC micelles | BIOMOLECULAR NMR ASSIGNMENTS | APR | 2015 |
| 16 | Chemistry | Sulake, RS; Chen, CP | 陳清漂* | Total Synthesis of (+)-Antroquinonol and (+)-Antroquinonol D | ORGANIC LETTERS | 6-Mar | 2015 |
| 17 | Spectroscopy | Reddy, PM; Shanker, K; Srinivas, V; Krishna, ER; Rohini, R; Srikanth, G; Hu, AR; Ravinder, YL | Rohini, R | Hydrolysis of Letrozole catalyzed by macrocyclic Rhodium (I) Schiff-base complexes | SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY | 15-Mar | 2015 |
| 18 | Chemistry | Lin, WJ; Naziruddin, AR; Chen, YH; Sun, BJ; Chang, AHH; Wang, WJ; Hwang, YH | 黃文樞*. 張秀華 | Photofunctional Platinum Complexes Featuring N-heterocyclic Carbene-Based Pincer Ligands | CHEMISTRY-AN ASIAN JOURNAL | MAR | 2015 |

| NO | Subject Category | Author | 作者 | Title | Publication Name | PD | PY |
|----|--------------------------|---|------|--|---|--------|------|
| 19 | Chemistry ; Physics | Maity, S; Dangi, BB; Parker, DSN; Kaiser, RI; Lin, HM; Hai-Ping, E; Sun, BJ; Chang, AHH | 張秀華 | Combined Crossed Molecular Beam and Ab Initio Investigation of the Reaction of Boron Monoxide (BO; X-2 Sigma(+)) with 1,3-Butadiene (CH ₂ CHCHCH ₂ ; X(1)A(g)) and Its Deuterated Counterparts | JOURNAL OF PHYSICAL CHEMISTRY A | 19-Feb | 2015 |
| 20 | Chemistry | Jhang, RY; Liao, JH; Liu, CW; Artem'ev, AV; Kuimov, VA | 劉鎮維 | Synthesis of the first chalcogen-centered diselenophosphinato Zn(II) clusters, [Zn-4(mu(4)-X){Se2PR2}(6)] (X = S or Se), and a zigzag polymer {ZnBr(mu-Se2PR2)[PyNO]}(n) | JOURNAL OF ORGANOMETALLIC CHEMISTRY | 1-Apr | 2015 |
| 21 | Biophysics; Spectroscopy | Hu, YJ; Irene, D; Lo, CJ; Cai, YL; Tzen, TC; Lin, TH; Chyan, CL | 錢嘉琳* | Resonance assignments and secondary structure of a phytocystatin from Sesamum indicum | BIOMOLECULAR NMR ASSIGNMENTS | OCT | 2015 |
| 22 | Chemistry | Shie, JY; Zhu, JL; Wu, YP | 朱家亮* | Thermal Cyclization of Copper Carbenoid of alpha-Diazoo alpha-Phosphorylacetate: Unexpected and Novel | JOURNAL OF THE CHINESE CHEMICAL PHYSICS | AUG | 2015 |
| 23 | Chemistry ; Physics | Chang, HC; Jiang, JC; Kuo, MH; Hsu, DT; Lin, SH | 張海舟* | Pressure-enhanced surface interactions between nano-TiO ₂ and ionic liquid mixtures probed by high pressure IR spectroscopy | JOURNAL OF PHYSICAL CHEMISTRY A | | 2015 |

| NO | Subject Category | Author | 作者 | Title | Publication Name | PD | PY |
|----|--|--|-----------|--|-------------------------------------|-------|------|
| 24 | Biochemistry & Molecular Biology; Life Sciences & Biomedicine - Other Topics; Cell Biology | Chao, JI; Wang, SP; Wu, YH; Yang, JM; Chen, CPA | 陳清漂 | A novel EGFR inhibitor SP101 blocks survivin and tumor growth in the human non-small cell lung carcinoma | FASEB JOURNAL | APR | 2015 |
| 25 | Chemistry | Gandhi, AC; Reddy, PM; Chan, TS; Hod, YP; Wu, SY | 吳勝允*, 何彥鵬 | Memory effect in weakly-interacting Fe ₃ O ₄ nanoparticles | RSC ADVANCES | | 2015 |
| 26 | Chemistry; Physics | Parker, DSN; Kaiser, RI; Kostko, O; Troy, TP; Ahmed, M; Sun, BJ; Chen, SH; Chang, AL | 張秀華 | On the formation of pyridine in the interstellar medium | PHYSICAL CHEMISTRY CHEMICAL PHYSICS | | 2015 |
| 27 | Chemistry; Environmental Sciences & Ecology | Angamuthu, V; Tai, DF | 戴達夫* | Asymmetric reactions of chiral organo-magnetic nanoparticles | APPLIED CATALYSIS A-GENERAL | 5-Oct | 2015 |

| NO | Subject Category | Author | 作者 | Title | Publication Name | PD | PY |
|----|---------------------------|---|-----------|---|---|--------|------|
| 28 | Chemistry | Dnaya, RS; Liao, JH; Wang, XP; Liu, YC; Chiang, MH; Kahlal, S; Saillard, JY; Liu, GW | 劉鎮維* | Diselenophosphate-Induced Conversion of an Achiral [Cu ₂₀ H ₁₁ {S ₂ P(OiPr) ₂ }(9)] into a Chiral [Cu ₂₀ H ₁₁ {Se ₂ P(OiPr) ₂ }(9)] Polyhydrido Nanocluster | ANGEWANDTE CHEMIE-INTERNATIONAL EDITION | 9-Nov | 2015 |
| 29 | Food Science & Technology | Hsu, CY; Shih, HY; Chang, YC; Huang, ZL; Tsai, MJ; Chia, YC; Chen, C; Lai, YK; Weng, CF | 翁慶豐*, 陳清漂 | The beneficial effects of tetracosanol on insulin-resistance by insulin receptor kinase sensibilisation | JOURNAL OF FUNCTIONAL FOODS | APR | 2015 |
| 30 | Chemistry ; Physics | Forster, M; Maksyutenko, P; Jones, BM; Sun, BJ; Chen, SH; Chang, AHH; Zhang, B | 張秀華* | Detection of the Elusive Triazane Molecule (N ₃ H ₅) in the Gas Phase | CHEMPHYSIC | 26-Oct | 2015 |

| NO | Subject Category | Author | 作者 | Title | Publication Name | PD | PY |
|----|---------------------|---|------|---|--|--------|------|
| 31 | Chemistry | Malysheva, SF; Artem'ev, AV; Gusarova, NK; Belogorlova, NA; Albanov, AI; Liu, CW; Trofimov, BA | 劉鎮維 | Aerobic addition of secondary phosphine oxides to vinyl sulfides: a shortcut to 1-hydroxy-2-(organosulfanyl)ethyl-(diorganyl)phosphine oxides | BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY | 23-Oct | 2015 |
| 32 | Chemistry ; Physics | Turner, AM; Abplanalp, MJ; Chen, SY; Chen, YT; Chang, A-HH | 張秀華* | A photoionization mass spectroscopic study on the formation of phosphanes in low temperature phosphine ices | PHYSICAL CHEMISTRY CHEMICAL PHYSICS | | 2015 |
| 33 | Chemistry ; Physics | Chang, HC; Zhang, RL; Hsu, DT | 張海舟* | The effect of pressure on cation-cellulose interactions in cellulose/ionic liquid mixtures | PHYSICAL CHEMISTRY CHEMICAL PHYSICS | | 2015 |

| NO | Subject Category | Author | 作者 | Title | Publication Name | PD | PY |
|----|------------------|--|------|--|----------------------|----|------|
| 1 | Chemistry | Venkatachalam Angamuthu, and Dar-Fu Tai* | 戴達夫* | Asymmetric Reactions of Chiral Organo-Magnetic Nanoparticles | Appl. Catal. A: Gen. | | 2015 |