

	ECMC
1	Feng, J., Zhu, B.W. and Lim, T.T. (2008). Reduction of chlorinated methanes with nano-scale Fe particles: Effects of amphiphiles on the dechlorination reaction and two-parameter regression for kinetic prediction. <i>Chemosphere</i> 73, 1817–1823.
2	Lim, T.T. and Zhu, B.W. (2008). Effects of anions on the kinetics and reactivity of nanoscale Pd/Fe in trichlorobenzene dechlorination. <i>Chemosphere</i> 73, 1471–1477.
3	Zhu, B.W., Lim, T.T. and Feng, J. (2008). Influences of amphiphiles on dechlorination of a trichlorobenzene by nanoscale Pd/Fe: Adsorption, reaction kinetics, and interfacial interactions. <i>Environmental Science &amp; Technology</i> 42, 4513–4519.
4	Goh, K.H., Lim, T.T. and Dong, Z.L. (2008). Application of layered double hydroxides for removal of oxyanions: a review. <i>Water Research</i> 42, 1343 – 1368.
5	Goh, K.H., Lim, T.T. and Chui, P.C. (2008). Evaluation of the effect of dosage, pH and contact time on high-dose phosphate inhibition for copper corrosion control using response surface methodology (RSM). <i>Corrosion Science</i> 50, 918–927.
6	Qian, G., Chen, W., Lim, T.T. and Chui, P. (2009). In-situ stabilization of Pb, Zn, Cu, Cd and Ni in the multi-contaminated sediments with ferrihydrite and apatite composite additives. <i>Journal Hazardous Materials</i> 170 (2–3), 1093–1100.
7	Chua, L.H.C., Lo, E.Y.M., Lim, T.T., Robertson, A.P., Shuy, E.B. Tan, S.K. (2009). Geochemical changes during recharge with tertiary-treated wastewater at a coastal sandfill. <i>Water Science &amp; Technology</i> 60 (5), 1273–1281.
8	Chua, L.H.C., Leong, M.C.M., Lo, E.Y.M., Reinhard, M., Robertson, A.P., Lim, T.T., Shuy, E.B. Tan, S.K. (2009). Controlled field studies on soil aquifer treatment in a constructed coastal sandfill. <i>Water Science &amp; Technology</i> 60 (5), 1283–1293.
9	Zhou, T., Lim, T.T., Lu, X., Li, Y. and Wong, F.S. (2009). Simultaneous degradation of 4CP and EDTA in a heterogeneous Ultrasound/Fenton like system at ambient circumstance. <i>Separation and Purification Technology</i> 68 (3), 367–374.
10	Pan SS, Shen YD, Teng XM, Zhang YX, Li L, Chu ZQ, Zhang JP, Li GH, Hu X, (2009). Substitutional nitrogen-doped tin oxide single crystalline submicro-rod arrays: vertical growth, band gap tuning and visible light-driven photocatalysis, <i>Materials Research Bulletin</i> 44, 2092–2098.
11	Goh, K.H., Lim, T.T. and Dong, Z.L. (2009). Enhanced arsenic removal by hydrothermally treated nanocrystalline Mg/Al layered double hydroxide with nitrate intercalation. <i>Environmental Science &amp; Technology</i> 43, 2537–2543.
12	Lim, T.T. Goh, K.H., Goei, R. and Dong, Z.L. (2009). Mechanistic and thermodynamic studies of oxyanion sorption by various synthetic Mg/Al layered double hydroxides. <i>Water Science &amp; Technology</i> 59(5), 1011–1017.

13	Chen, S. S., Peng, H. M., Webster, R. D. (2010). Infrared and UV–vis spectra of phenoxonium cations produced during the oxidation of phenols with structures similar to vitamin E. <i>Electrochimica Acta</i> 55 (28), 8863–8869.
14	Naqvi, K. R., Li, H., Melø, T. B., Zhang, Y., Webster, R. D. (2010) Spectroscopic characterization of neutral and cation radicals of $\alpha$ -tocopherol and related molecules: a satisfactory denouement. <i>Journal of Physical Chemistry A</i> 114 (40), 10795–10802.
15	Chen, S. S., Webster, R. D., Talotta, C., Troisi, F., Gaeta, C., Neri, P. (2010). Electrochemistry and ion–sensing properties of calix[4]arene derivatives. <i>Electrochimica Acta</i> , 55(23), 7036–7043.
16	Hui, Y., Chng, E. L. K., Chua, L. P.–L., Liu, W. Z., Webster, R. D. (2010). Voltammetric method for determining the trace moisture content of organic solvents based on hydrogen–bonding interactions with quinones. <i>Analytical Chemistry</i> 82 (5), 1928–1934.
17	Zhou, T., Li, Y., Lim, T.T. (2010). Catalytic hydrodechlorination of chlorophenols by Pd/Fe nanoparticles: Comparisons with other bimetallic systems, kinetics and mechanism. <i>Separation and Purification Technology</i> 76, 206–214.
18	Wang, X.P., Lim, T.T. (2010). Solvothermal synthesis of C–N codoped TiO <sub>2</sub> and photocatalytic evaluation for bisphenol A degradation using a visible–light irradiated LED photoreactor. <i>Applied Catalysis B: Environmental</i> 100, 355–364.
19	Chua, L.H.C., Lo, E.Y.M., Shuy, E.B., Robertson, A.P., Lim, T.T., Tan, S.K. (2010). DOC and UVA attenuation with soil aquifer treatment in the saturated zone of an artificial coastal sandfill. <i>Water Science &amp; Technology</i> 62 (3), 491–500.
20	Tang, Y, Lai, Y, Gong, D, Goh, K.H., Lim, T.T., Dong, Z, Chen, Z (2010). Ultrafast synthesis of layered titanate microspherulite particles by electrochemical spark discharge spallation. <i>Chemistry: A European Journal</i> , 16, 7704–7708.
21	Goh, K.H., Lim, T.T. (2010). Influences of co–existing species on the sorption of toxic oxyanions from aqueous solution by nanocrystalline Mg/Al layered double hydroxide. <i>Journal Hazardous Materials</i> 180, 401–408.
22	Goh, K.H., Lim, T.T., Banas, A., Dong, Z.L. (2010). Sorption characteristics and mechanisms of oxyanions and oxyhalides having different molecular properties on Mg/Al layered double hydroxide nanoparticles. <i>Journal Hazardous Materials</i> 179 (1–3), 818–827.
23	Yap, P.S., Lim, T.T., Lim, M, Srinivasan, M. (2010). Synthesis and characterization of nitrogen–doped TiO <sub>2</sub> /AC composite for the adsorption–photocatalytic degradation of aqueous bisphenol–A using solar light. <i>Catalysis Today</i> 151, 8–13.
24	Goh, K.H., Lim, T.T., Dong, Z.L. (2010). Removal of arsenate from aqueous solution by nanocrystalline Mg/Al layered double hydroxide: sorption characteristics, prospects, and challenges. <i>Water Science &amp; Technology</i> 61(6), 1411–1417.

25	Subagio, D.P., Srinivasan, M., Lim, M, Lim, T.T. (2010). Photocatalytic degradation of Bisphenol-A by nitrogen-doped TiO <sub>2</sub> hollow sphere in a vis-LED photoreactor. Applied Catalysis B: Environmental 95, 414-422.
26	Gao, B, Lim, T.M., Subagio, D.P., Lim, T.T. (2010). Zr-doped TiO <sub>2</sub> for enhanced photocatalytic degradation of bisphenol A. Applied Catalysis A: General 375(1), 107-115.
27	Zhou, T, Lu, X., Lim, T.T., Li, Y., Wong, F.S. (2010). Degradation of chlorophenols (CPs) in an Ultrasound irradiated Fenton like system at ambient circumstance: The QSPR (quantitative structure-property relationship) study. Chemical Engineering Journal 156 (2), 347-352.
28	Zhou, T., Lim, T.T., Li, Y., Lu, X., and Wong, F.S. (2010). The role and fate of EDTA in ultrasound-enhanced zero-valent iron / air system. Chemosphere 78, 576-582.
29	Tan, Y. S., Webster, R. D. (2011). Electron transfer reactions between the diamagnetic cation of $\alpha$ -tocopherol (vitamin E) and $\beta$ -carotene. Journal of Physical Chemistry B 115 (14), 4244-4250.
30	Yao, W. W. Lau, C., Hui, Y., Poh H. W., Webster, R. D. (2011). Electrode-supported biomembrane for examining electron-transfer and ion-transfer reactions of encapsulated low molecular weight biological molecules. Journal of Physical Chemistry C 115(5), 2100-2113.
31	Hui, Y., Webster, R. D. (2011). Absorption of water into organic solvents used for electrochemistry under conventional operating conditions. Analytical Chemistry 83(3), 976- 981.
32	Wang, X.P., Tang, Y, Leiw, M.Y., Lim, T.T. (2011). Solvothermal synthesis of Fe-C codoped TiO <sub>2</sub> nanoparticles for visible-light photocatalytic removal of emerging organic contaminants in water. Applied Catalysis A: General 409-410, 257-266.
33	Wang, P., Zhou, T., Wang, R., Lim, T.T. (2011). Carbon-sensitized and nitrogen-doped TiO <sub>2</sub> for photocatalytic degradation of sulfanilamide under visible-light irradiation. Water Research 45, 5015-5026.
34	Gao, B, Yap, P.S., Lim, T.M., Lim, T.T. (2011). Adsorption-photocatalytic degradation of acid red 88 by supported TiO <sub>2</sub> : Effect of activated carbon support and aqueous anions. Chemical Engineering Journal 171, 1098-1107.
35	Wang, P., Yap, P.S., Lim, T.T. (2011). C-N-S tridoped TiO <sub>2</sub> for photocatalytic degradation of tetracycline under visible-light irradiation. Applied Catalysis A: General 399, 252-261.
36	Wang, X.P., Lim, T.T. (2011). Effect of hexamethylenetetramine on the visible-light photocatalytic activity of C-N codoped TiO <sub>2</sub> for bisphenol A degradation, evaluation of photocatalytic mechanism and solution toxicity. Applied Catalysis A: General 399, 233-241.

37	Shen YD, Foong TRB, Hu X, (2011). Towards Atomic Level Vanadium Doping of TiO <sub>2</sub> via Liquid-Phase Atomic Layer (L-ALD), <i>Applied Catalyst A</i> 409, 87-90.
38	Zhou, T, Lim, T.T., Wu, X. (2011). Sonophotolytic degradation of azo dye reactive black 5 in a ultrasound/UV/ferric system and the roles of different organic ligands. <i>Water Research</i> 45(9), 2915–2924.
39	Lim, T.T., Yap, P.S., Srinivasan, M., Fane, A.G. (2011). TiO <sub>2</sub> /AC composites for synergistic adsorption–photocatalysis processes: present challenges and further developments for water treatment and reclamation. <i>Critical Reviews in Environmental Science and Technology</i> 41 (13), 1173–1230.
40	Yap, P.S., Lim, T.T., Srinivasan, M. (2011). Nitrogen–doped TiO <sub>2</sub> /AC bi–functional composite prepared by two–stage calcination for enhanced synergistic removal of hydrophobic pollutant using solar irradiation. <i>Catalysis Today</i> 161, 46–52.
41	Zhou, T, Lim, T.T., Chin, S.S., Fane, A.G. (2011). Treatment of organics in reverse osmosis concentrate from a municipal wastewater reclamation plant: Feasibility test of advanced oxidation processes with/without pretreatment. <i>Chemical Engineering Journal</i> 166, 932–939.
42	Yap, P.S., Lim, T.T. (2011). Effect of aqueous matrix species on synergistic removal of bisphenol–A under solar irradiation using nitrogen–doped TiO <sub>2</sub> /AC composite. <i>Applied Catalysis B: Environmental</i> 101, 709–717.
43	Y. X. Tang, Z. L. Jiang, J. Y. Deng, D. G. Gong, Y. K. Lai, H. T. Tay, I. T. K. Joo, T. H. Lau, Z. L. Dong, Z. Chen, (2012). Synthesis of Nano-Structured Silver/Silver Halides on Titanate Surfaces and Their Visible Light Photocatalytic Performance, <i>ACS Applied Materials &amp; Interfaces</i> 4, 438-446.
44	P. Kanhere, J. W. Zheng, Z. Chen, (2012). Visible Light Driven Photocatalytic Hydrogen Evolution and Photophysical properties of Bi <sup>3+</sup> Doped NaTaO <sub>3</sub> , <i>International Journal of Hydrogen Energy</i> 37, 4889-4896.
45	Y. K. Lai, Y. X. Tang, J. J. Gong, D. G. Gong, L. F. Chi, C. J. Lin, Z. Chen, (2012). Transparent superhydrophobic / superhydrophilic TiO <sub>2</sub> -based coatings for self-cleaning and anti-fogging, <i>Journal of Materials Chemistry</i> 22, 7420-7426.
46	Liu Y, Zhou MJ, Hu Y, Qian HS, Chen JF, Hu X, (2012). Photocatalytic studies of CdS nanoparticles assembled on carbon microsphere surfaces with different interface structures: from amorphous to graphite-like carbon, <i>CrystEngComm</i> 14, 4507–4512.
47	Liu Y, Hu Y, Zhou MJ, Qian HS, Hu X, (2012). Microwave-assisted non-aqueous route to deposit well-dispersed ZnO nanocrystals on reduced graphene oxide sheets with improved photoactivity for the decolorization of dyes under visible light, <i>Applied Catalysis B-Environmental</i> 125, 425-431.
48	D. G. Gong, W. C. J. Ho, Y. X. Tang, Q. L. Tay, Y. K. Lai, J. G. Highfield, Z. Chen, (2012). Silver Decorated Titanate/Titania Nanostructures for Efficient Solar Driven Photocatalysis, <i>Journal of Solid State Chemistry</i> 189, 117-122.

49	Y. X. Tang, Z. L. Jiang, Q. L. Tay, J. Y. Deng, Y. K. Lai, D. G. Gong, Z. L. Dong, Z. Chen, (2012). Visible-Light Plasmonic Photocatalyst Anchored on Titanate Nanotubes: A Novel Nanohybrid with Synergistic Effect of Adsorption and Degradation, <i>RSC Advances</i> 2, 9406-9414.
50	Y. H. Cheng, V. P. Subramaniam, D. G. Gong, Y. X. Tang, J. Highfield, S. O. Pehkonen, P. Pichat, M. K. Schreyer, Z. Chen, (2012). Nitrogen-sensitized Dual Phase Titanate/Titania for Visible-light Driven Phenol Degradation, <i>Journal of Solid State Chemistry</i> 196, 518-527.
51	Hou, D., Feng, L., Zhang, J., Dong, S., Zhou, D. and Lim, T.-T. (2012). Preparation, characterization and performance of a novel visible light responsive spherical activated carbon-supported and Er <sup>3+</sup> :YFeO <sub>3</sub> -doped TiO <sub>2</sub> photocatalyst. <i>Journal of Hazardous Materials</i> 199–200 (0), 301–308.
52	Wang, B., Wu, H.B., Yu, L., Xu, R., Lim, T.T. and Lou, X.W. (2012). Template-free formation of uniform urchin-like α-FeOOH hollow spheres with superior capability for water treatment. <i>Advanced Materials</i> 24 (8), 1111–1116. DOI: 10.1002/adma.201104599 Published: FEB 21 2012.
53	Tang, Y.X., Wee, P.X., Lai, Y.K., Wang, X.P., Gong, D.G., Kanhere, P.D., Lim, T.T., Dong, Z.L. and Chen, Z. (2012). Hierarchical TiO <sub>2</sub> nanoflakes and nanoparticles hybrid structure for improved photocatalytic activity. <i>Journal of Physical Chemistry C</i> 116 (4), 2772–2780.
54	Wang, P. and Lim, T.-T. (2012). Membrane vis-LED photoreactor for simultaneous penicillin G degradation and TiO <sub>2</sub> separation. <i>Water Research</i> 46 (6), 1825–1837.
55	Yap, P.-S. and Lim, T.-T. (2012). Solar regeneration of powdered activated carbon impregnated with visible-light responsive photocatalyst: Factors affecting performances and predictive model. <i>Water Research</i> 46 (9), 3054–3064.
56	Loo, S.-L., Fane, A.G., Krantz, W.B. and Lim, T.-T. (2012). Emergency water supply: A review of potential technologies and selection criteria. <i>Water Research</i> 46 (10), 3125–3151.
57	Yap, P.-S., Cheah, Y.-L., Srinivasan, M. and Lim, T.-T. (2012). Bimodal N-doped P25-TiO <sub>2</sub> /AC composite: Preparation, characterization, physical stability, and synergistic adsorptive-solar photocatalytic removal of sulfamethazine. <i>Applied Catalysis A: General</i> 427–428 (0), 125–136.
58	Kim, H.-S., Kim, T., Ahn, J.-Y., Hwang, K.-Y., Park, J.-Y., Lim, T.-T. and Hwang, I. (2012). Aging characteristics and reactivity of two types of nanoscale zero-valent iron particles (Fe <sup>BH</sup> and Fe <sup>H2</sup> ) in nitrate reduction. <i>Chemical Engineering Journal</i> 197 (0), 16–23.
59	Hou, D., Goei, R., Wang, X., Wang, P. and Lim, T.-T. (2012). Preparation of carbon-sensitized and Fe-Er codoped TiO <sub>2</sub> with response surface methodology for bisphenol A photocatalytic degradation under visible-light irradiation. <i>Applied Catalysis B: Environmental</i> 126 (0), 121–133.

60	Wang, X., Tang, Y., Chen, Z. and Lim, T.-T. (2012). Highly stable heterostructured Ag–AgBr/TiO <sub>2</sub> composite: a bifunctional visible–light active photocatalyst for destruction of ibuprofen and bacteria. <i>Journal of Materials Chemistry</i> 22 (43), 23149–23158.
61	Pan, A. Q., Wu, H. B., Yu, L., Zhu, T., Lou, X. W., Synthesis of Hierarchical Three-Dimensional Vanadium Oxide Microstructures as High-Capacity Cathode Materials for Lithium-Ion Batteries. <i>ACS APPLIED MATERIALS &amp; INTERFACES</i> , Volume: 4 Pages: 3874-3879 DOI: 10.1021/Am3012593 Published: JUL 27 2012.
62	Zhang, G. Q., Yu, L., Wu, H. B., Hoster, H. E., Lou, X. W., Formation of ZnMn <sub>2</sub> O <sub>4</sub> Ball-in-Ball Hollow Microspheres as a High-Performance Anode for Lithium-Ion Batteries. <i>ADVANCED MATERIALS</i> , Volume: 24 Pages: 4609-4613 DOI: 10.1002/adma.201201779. Published: SEP 4 2012.
63	Yu, L., Wang, Z. Y., Zhang, L., Wu, H. B., Lou, X. W., TiO <sub>2</sub> nanotube arrays grafted with Fe <sub>2</sub> O <sub>3</sub> hollow nanorods as integrated electrodes for lithium-ion batteries. <i>JOURNAL OF MATERIALS CHEMISTRY A</i> , Volume: 1 Pages: 122-127 DOI: 10.1039/C2TA00223J Published: OCT 18 2012.
64	Yu, L., Zhang, G. Q., Yuan, C. Z., Lou, X. W., Hierarchical NiCo <sub>2</sub> O <sub>4</sub> @MnO <sub>2</sub> core-shell heterostructured nanowire arrays on Ni foam as high-performance supercapacitor electrodes. <i>CHEMICAL COMMUNICATIONS</i> , Volume: 49 Pages: 137-139 DOI: 10.1039/C2cc37117k Published: NOV 6 2012.
65	Liu, Y., Yu, L., Hu, Y., Guo, C. F., Zhang, F. M., Lou, X. W., A magnetically separable photocatalyst based on nest-like gamma-Fe <sub>2</sub> O <sub>3</sub> /ZnO double-shelled hollow structures with enhanced photocatalytic activity. <i>NANOSCALE</i> , Volume: 4 Pages: 183-187 DOI: 10.1039/C1nr11114k Published: NOV 09 2012.
66	Pan, A. Q., Wu, H. B., Yu, L., Lou, X. W., Template-Free Synthesis of VO <sub>2</sub> Hollow Microspheres with Various Interiors and Their Conversion into V <sub>2</sub> O <sub>5</sub> for Lithium-Ion Batteries. <i>ANGEWANDTE CHEMIE-INTERNATIONAL EDITION</i> , Volume: 52 Pages: 2226-2230 DOI: 10.1002/anie.201209535 Published: FEB 18 2013.
67	Zhang, L., Zhang, G. Q., Wu, H. B., Yu, L., Lou, X. W., Hierarchical Tubular Structures Constructed by Carbon-Coated SnO <sub>2</sub> Nanoplates for Highly Reversible Lithium Storage. <i>ADVANCED MATERIALS</i> , Volume: 25 Pages: 2589-2593 DOI: 10.1002/adma.201300105 Published: APR 2 2013.
68	Yu, L., Wu, H. B., Lou, X. W., Mesoporous Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Hollow Spheres with Enhanced Lithium Storage Capability. <i>ADVANCED MATERIALS</i> , Volume: 25 Pages: 2296-2300 DOI: 10.1002/adma.201204912 Published: APR 24 2013.
69	Yu, L., Zhang L., Wu, H. B., Zhang, G. Q., Lou, X. W., Controlled synthesis of hierarchical Co <sub>x</sub> Mn <sub>3-x</sub> O <sub>4</sub> array micro-/nanostructures with tunable morphology and composition as integrated electrodes for lithium-ion batteries. <i>ENERGY &amp; ENVIRONMENTAL SCIENCE</i> , Volume: 6 Pages: 2664-2671 DOI: 10.1039/c3ee41181h Published: JUN 25 2013.

70	Zhang, G. Q., Xia, B. Y., Xiao, C., Yu, L., Wang, X., Xie, Y., Lou, X. W., General Formation of Complex Tubular Nanostructures of Metal Oxides for the Oxygen Reduction Reaction and Lithium-Ion Batteries. <i>ANGEWANDTE CHEMIE-INTERNATIONAL EDITION</i> , Volume: 52 Pages: 8643-8647. DOI: 10.1002/anie.201304355. Published: AUG 12 2013.
71	Yu, L., Wu, H. B., Wu, T., Yuan, C. Z., Morphology-controlled fabrication of hierarchical mesoporous NiCo <sub>2</sub> O <sub>4</sub> micro-/nanostructures and their intriguing application in electrochemical capacitors. <i>RSC ADVANCES</i> , Volume: 3 Pages: 23709-23714 DOI: 10.1039/C3ra44546a. Published: OCT 04 2013.
72	Zhang, G. Q., Yu, L., Hoster, H. E., Lou, X. W., Synthesis of one-dimensional hierarchical NiO hollow nanostructures with enhanced supercapacitive performance. <i>NANOSCALE</i> , Volume: 5 Pages: 877-881. DOI: 10.1039/C2NR33326K. Published: DEC 04 2013.
73	Yu, L., Zhang, L., Wu, H. B., Lou, X. W., Formation of Ni <sub>x</sub> Co <sub>3-x</sub> S <sub>4</sub> hollow nanoprisms with enhanced pseudocapacitive properties. <i>ANGEWANDTE CHEMIE-INTERNATIONAL EDITION</i> , Volume: 53 Pages: 3711-3714. DOI: 10.1002/anie.201400226. Published: APR 1 2014.
74	Gao, G. X., Yu, L., Wu, H. B., Lou, X. W., Hierarchical Tubular Structures Constructed by Carbon-coated $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> Nanorods for Highly Reversible Lithium Storage. <i>SMALL</i> , Volume: 10 Pages: 1741-1745 DOI: 10.1002/smll.201303818. Published: MAY 14 2014.
75	Li, L. L., Wu, H. B., Yu, L., Madhavi, S., Lou, X. W., A General Method to Grow Porous $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> Nanosheets on Substrates as Integrated Electrodes for Lithium-Ion Batteries. <i>ADVANCED MATERIALS INTERFACES</i> , Volume: 1 Pages: 1400050 DOI: 10.1002/admi.201400050. Published: AUG 2014.
76	Wang, H. Y., Xiao, F. X., Yu, L., Liu, B., Lou, X. W., Hierarchical $\alpha$ -MnO <sub>2</sub> Nanowires@Ni <sub>1-x</sub> Mn <sub>x</sub> O <sub>y</sub> Nanoflakes Core-Shell Nanostructures for Supercapacitors. <i>SMALL</i> , Volume: 10 Pages: 3181-3186 DOI: 10.1002/smll.201303836. Published: AUG 13 2014.
77	Wang, J. M., Zhang, L., Yu, L., Jiao, Z. H., Xie, H. Q., Lou, X. W., Sun, X. W., A bi-functional device for self-powered electrochromic window and self-rechargeable transparent battery applications. <i>NATURE COMMUNICATIONS</i> , Volume: 5 Pages: 4921 DOI: 10.1038/ncomms5921. Published: SEP 23 2014.
78	Yu, X. Y., Yu, L., Shen, L. F., Song, X. H., Chen, H. Y., Lou, X. W., General Formation of MS (M = Ni, Cu, Mn) Box-in-Box Hollow Structures with Enhanced Pseudocapacitive Properties. <i>ADVANCED FUNCTIONAL MATERIALS</i> , Volume: 24 Pages: 7440-7446 DOI: 10.1002/adfm.201402560. Published: DEC 17 2014.
79	Shen, L. F., Yu, L., Yu, X. Y., Zhang, X. G., Lou, X. W., Self-Templated Formation of Uniform NiCo <sub>2</sub> O <sub>4</sub> Hollow Spheres with Complex Interior Structures for Lithium-Ion Batteries and Supercapacitors. <i>ANGEWANDTE CHEMIE-INTERNATIONAL EDITION</i> , Volume: 54 Pages: 1868-1872 DOI: 10.1002/anie.201409776. Published: FEB 2 2015.

80	Yu, X. Y., Yu, L., Wu, H. B., Lou, X. W., Formation of Nickel Sulfide Nanoframes from Metal–Organic Frameworks with Enhanced Pseudocapacitive and Electrocatalytic Properties. <i>ANGEWANDTE CHEMIE-INTERNATIONAL EDITION</i> , Volume: 54 Pages: 5331-5335 DOI: 10.1002/anie.201500267. Published: FEB 20 2015.
81	Wu, H. B., Xia, B. Y., Yu, L., Yu, X. Y., Lou, X. W., Porous molybdenum carbide nano-octahedrons synthesized via confined carburization in metal-organic frameworks for efficient hydrogen production. <i>NATURE COMMUNICATIONS</i> , Volume: 6 Pages: 6512 DOI: 10.1038/ncomms7512. Published: MAR 11 2015.
82	Hu, H., Yu, L., Gao, X. H., Lin, Z., Lou, X. W., Hierarchical tubular structures constructed from ultrathin TiO <sub>2</sub> (B) nanosheets for highly reversible lithium storage. <i>ENERGY &amp; ENVIRONMENTAL SCIENCE</i> , Volume: 8 Pages: 1480-1483 DOI: 10.1039/c5ee00101c. Published: MAR 20 2015.
83	Yu, X. Y., Wu, H. B., Yu, L., Ma, F. X., Lou, X. W., Rutile TiO <sub>2</sub> Submicroboxes with Superior Lithium Storage Properties. <i>ANGEWANDTE CHEMIE-INTERNATIONAL EDITION</i> , Volume: 54 Pages: 4001-4004 DOI: 10.1002/anie.201411353. Published: MAR 23 2015.
84	Shen, L. F., Yu, L., Wu, H. B., Yu, X. Y., Zhang X. G., Lou X. W., Formation of nickel cobalt sulfide ball-in-ball hollow spheres with enhanced electrochemical pseudocapacitive properties. <i>NATURE COMMUNICATIONS</i> , Volume: 6 Pages: 6694 DOI: 10.1038/ncomms7694. Published: MAR 24 2015.
85	Li, L. L., Peng, S. J., Wu, H. B., Yu, L., Madhavi, S., Lou, X. W., A Flexible Quasi-Solid-State Asymmetric Electrochemical Capacitor Based on Hierarchical Porous V <sub>2</sub> O <sub>5</sub> Nanosheets on Carbon Nanofibers. <i>ADVANCED ENERGY MATERIALS</i> , Volume: 5 Pages: 1500753 DOI: 10.1002/aenm.201500753. Published: JUL 1 2015.
86	Guo, Y., Yu L., Wang, C. Y., Lin, Z., Lou, X. W., Hierarchical Tubular Structures Composed of Mn-Based Mixed Metal Oxide Nanoflakes with Enhanced Electrochemical Properties. <i>ADVANCED FUNCTIONAL MATERIALS</i> , Volume: 25 Pages: 5184-5189 DOI: 10.1002/adfm.201501974. Published: JUL 14 2015.
87	Yu, L., Guan, B. Y., Xiao, W., Lou, X. W., Formation of Yolk-Shelled Ni–Co Mixed Oxide Nanoprisms with Enhanced Electrochemical Performance for Hybrid Supercapacitors and Lithium Ion Batteries. <i>ADVANCED ENERGY MATERIALS</i> , DOI: 10.1002/aenm.201500981. Published: AUG 3 2015.
88	Song, X. H., Ding, T., Yao, L., Lin, M., Siew Tan, R. L., Liu, C. C., Sokol, K., Yu, L., Lou, X. W., Chen, H. Y., On the Origin and Underappreciated Effects of Ion Doping in Silica. <i>SMALL</i> , Volume: 11 Pages: 4351-4365 DOI: 10.1002/smll.201500539. Published: SEP 9 2015.
89	Y. X. Tang, Z. L. Jiang, G. C. Xing, A. R. Li, P. D. Kanhere, Y. Y. Zhang, T. C. Sum, S. Z. Li, X. D. Chen, Z. L. Dong, Z. Chen, (2013). Efficient Ag@AgCl Cubic Cages Photocatalyst Profit from Ultrafast Plasmon-induced Electron Transfer Process, <i>Advanced Functional Materials</i> 23, 2932-2940.



90	B. Yuan, Y. Wang, H. D. Bian, T. K. Shen, Y. C. Wu, Z. Chen, (2013). Nitrogen doped TiO <sub>2</sub> nanotube arrays with high photoelectrochemical activity for photocatalytic applications, <i>Applied Surface Science</i> 280, 523-529.
91	Q. L. Tay, X. F. Liu, Y. X. Tang, Z. L. Jiang, T. C. Sum, Z. Chen, (2013). Enhanced Photocatalytic Hydrogen Production with Synergistic Two-Phase Anatase/Brookite TiO <sub>2</sub> Nanostructures, <i>The Journal of Physical Chemistry C</i> 117, 14973-14982.
92	P. Kanhere, Y. X. Tang, J. W. Zheng, Z. Chen, (2013). Synthesis, photophysical properties and photocatalytic applications of Bi doped NaTaO <sub>3</sub> and Bi doped Na <sub>2</sub> Ta <sub>2</sub> O <sub>6</sub> nanoparticles, <i>Journal of Physics and Chemistry of Solids</i> 74, 1708-1713.
93	Z. L. Jiang, Y. X. Tang, Q. L. Tay, Y. Y. Zhang, O. I. Malyi, D. P. Wang, J. Y. Deng, Y. K. Lai, H. F. Zhou, X. D. Chen, Z. L. Dong, Z. Chen, (2013). Understanding the Role of Nanostructures for Efficient Hydrogen Generation on Immobilized Photocatalysts, <i>Advanced Energy Materials</i> 3, 1368-1380.
94	Y. K. Lai, Y. X. Tang, J. Y. Huang, F. Pan, Z. Chen, K. Q. Zhang, H. Fuchs, L. F. Chi, (2013). Bioinspired TiO <sub>2</sub> Nanostructure Films with Special Wettability and Adhesion for Droplets Manipulation and Patterning, <i>Scientific Reports</i> 3, 3009.
95	B. C. Wang, P. Kanhere, Z. Chen, J. Nisar, B. Pathak, R. Ahuja, (2013). Anion Doped NaTaO <sub>3</sub> for Visible Light Photocatalysis, <i>The Journal of Physical Chemistry C</i> 117, 22518-22524.
96	D. P. Wang, P. Kanhere, M. J. Li, Q. L. Tay, Y. X. Tang, Y. Z. Huang, T. C. Sum, N. Mathews, T. Sriharan, Z. Chen, (2013). Improving Photocatalytic H <sub>2</sub> Evolution of TiO <sub>2</sub> via Formation of {001} - {010} Quasi-Heterojunctions, <i>The Journal of Physical Chemistry C</i> 117, 22894-22902.
97	H. D. Bian, X. Shu, J. F. Zhang, B. Yuan, Y. Wang, L. J. Liu, G. Q. Xu, Z. Chen, Y. C. Wu, (2013). Uniformly Dispersed and Controllable Ligand-Free Silver-Nanoparticle-Decorated TiO <sub>2</sub> Nanotube Arrays with Enhanced Photoelectrochemical Behaviors, <i>Chemistry – An Asian Journal</i> 8, 2746-2754.
98	L. J. Liu, J. Lv, G. Q. Xu, Y. Wang, K. Xie, Z. Chen, Y. C. Wu, (2013). Uniformly dispersed CdS nanoparticles sensitized TiO <sub>2</sub> nanotube arrays with enhanced visible-light photocatalytic activity and stability, <i>Journal of Solid State Chemistr</i> 208, 27-34.
99	Yu Liu, Caiyun Yu, Wei Dai, Xuehui Gao, Haisheng Qian, Yong Hu, Xiao Hu, (2013). One-pot solvothermal synthesis of multi-shelled $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> hollow spheres with enhanced visible-light photocatalytic activity, <i>Journal of Alloys And Compounds</i> 551, 440–443.
100	Wang SL, Qian HH, Hu Y, Dai W, Zhong YJ, Chen JF, Hu X, (2013). Facile one-pot synthesis of uniform TiO <sub>2</sub> -Ag hybrid hollow spheres with enhanced photocatalytic activity, <i>Dalton Transactions</i> 42, 1122–1128.

101	Zhou MJ, Gao XH, Hu Y, Chen JF, Hu X, (2013). Uniform hamburger-like mesoporous carbon-incorporated ZnO nanoarchitectures: One-pot solvothermal synthesis, high adsorption and visible-light photocatalytic decolorization of dyes, <i>Applied Catalysis B: Environmental</i> 138–139, 1-8.
102	Shen YD, Chen JS, Liang YN, Zhu JX, Yan QY, Hu X, (2013). Growth of Two-dimensional Ultrathin Anatase TiO <sub>2</sub> Nanoplates on Graphene for High-performance Lithium-ion Battery, <i>Journal of Nanoparticle Research</i> 15 (10), 1913.
103	Wang, P., Fane, A.G. and Lim, T.–T. (2013). Evaluation of a submerged membrane vis–LED photoreactor (SMPR) for carbamazepine degradation and TiO <sub>2</sub> separation. <i>Chemical Engineering Journal</i> 215–216 (0), 240–251.
104	Wang, P., Tang, Y., Dong, Z., Chen, Z. and Lim, T.–T. (2013). Ag–AgBr/TiO <sub>2</sub> /RGO nanocomposite for visible–light photocatalytic degradation of penicillin G. <i>Journal of Materials Chemistry A</i> 1 (15), 4718–4727.
105	Chen, C., Wang, P., Lim, T.–T., Liu, L., Liu, S. and Xu, R. (2013). A facile synthesis of monodispersed hierarchical layered double hydroxide on silica spheres for efficient removal of pharmaceuticals from water. <i>Journal of Materials Chemistry A</i> 1 (12), 3877–3880.
106	Han, Z., Chang, V.–W., Wang, X., Lim, T.–T. and Hildemann, L. (2013). Experimental study on visible–light induced photocatalytic oxidation of gaseous formaldehyde by polyester fiber supported photocatalysts. <i>Chemical Engineering Journal</i> 218 (0), 9–18.
107	Loo, S.L., Krantz, W.B., Lim, T.T., Fane, A.G. and Hu, X. (2013). Design and synthesis of ice–templated PSA cryogels for water purification: towards tailored morphology and properties. <i>Soft Matter</i> 9 (1), 224–234.
108	Zhou, T., Wu, X., Zhang, Y., Li, J. and Lim, T.–T. (2013). Synergistic catalytic degradation of antibiotic sulfamethazine in a heterogeneous sonophotolytic goethite/oxalate Fenton–like system. <i>Applied Catalysis B: Environmental</i> 136–137 (0), 294–301.
109	Goei, R., Dong, Z. and Lim, T.–T. (2013). High–permeability pluronic–based TiO <sub>2</sub> hybrid photocatalytic membrane with hierarchical porosity: Fabrication, characterizations and performances. <i>Chemical Engineering Journal</i> 228 (0), 1030–1039.
110	Wang, X. and Lim, T.–T. (2013). Highly efficient and stable Ag–AgBr/TiO <sub>2</sub> composites for destruction of <i>Escherichia coli</i> under visible light irradiation. <i>Water Research</i> 47 (12), 4148–4158.
111	Loo, S.L., Fane, A.G., Lim, T.T., Krantz, W.B., Liang, Y.N., Liu, X., Hu, X. (2013). Superabsorbent cryogels decorated with silver nanoparticles as a novel water technology for point-of-use disinfection, <i>Environmental Science &amp; Technology</i> 47 (16), 9363-9371.

112	Chan, Y. Y., Yue, Y., Li, Y., Webster, R. D. (2013). Electrochemical/Chemical oxidation of bisphenol A in a four-electron/two-proton process in aprotic organic solvents. <i>Electrochimica Acta</i> 112, 287–294.
113	Cai, Y., Shen, W., Loo, S.L., Krantz, W.B., Wang, R., Fane, A.G., Hu, X. (2013). Towards temperature driven forward osmosis using semi-IPNs as reversible draw agents. <i>Water Research</i> 47 (11) 3773-3781.
114	Khezri, B., Mo, H., Yan, Z., Chong, S.-L., Heng, A. K., Webster, R. D. (2013). Simultaneous online monitoring of inorganic compounds in aerosols and gases in an industrialized area. <i>Atmospheric Environment</i> 80, 352–360.
115	Wong, G. K. S., Ng, S. J., Webster, R. D. (2013). Quantitative analysis of volatile organic pollutants in ambient air by thermal desorption gas chromatography mass spectrometry. <i>Analytical Methods</i> 5 (1), 219–230.
116	D. G. Gong, J. G. Highfield, S. Z. E. Ng, Y. X. Tang, W. C. J. Ho, Q. L. Tay, Z. Chen, (2014). Poly tri-s-triazines as visible light sensitizers in titania-based composite photocatalysts: promotion of melon development from urea over acid titanates, <i>ACS Sustainable Chemistry &amp; Engineering</i> 2, 149-157.
117	Y. H. Cheng, D. G. Gong, Y. X. Tang, J. W. C. Ho, Y. Y. Tay, W. S. Lau, O. Wijaya, J. X. Lim, Z. Chen, (2014). One-pot Solvothermal Synthesis of Dual-phase Titanate/titania Nanoparticles and Their Adsorption and Photocatalytic Performances, <i>Journal of Solid State Chemistry</i> 214, 67-73.
118	P. Kanhere, P. Shenai, S. Chakraborty, R. Ahuja, J. W. Zheng, Z. Chen, (2014). Mono- and co-doped NaTaO <sub>3</sub> for visible light photocatalysis, <i>Physical Chemistry Chemical Physics</i> 16, 16085-16094.
119	F. Zhang, Y. Wang, C. P. Yu, X. Shu, L. Jiang, J. W. Cui, Z. Chen, T. Xie, Y. C. Wu, (2014). Enhanced visible-light photoelectrochemical behaviour of heterojunction composite with Cu <sub>2</sub> O nanoparticles-decorated TiO <sub>2</sub> nanotube arrays, <i>New Journal of Chemistry</i> 38, 4975-4984.
120	H. Qi, J. Wolfe, D. P. Wang, H. J. Fan, D. Fichou, Z. Chen, (2014). Triple-layer nanostructured WO <sub>3</sub> photoanodes with enhanced photocurrent generation and superior stability for photoelectrochemical solar energy conversion, <i>Nanoscale</i> 6, 13457-13462.
121	P. Kanhere, Z. Chen, (2014). A Review on Visible Light Active Perovskite-Based Photocatalysts, <i>Molecules</i> 19, 19995-20022.
122	Xiao, Y., Fan, R., Zhang, L., Yue, J., Webster, R.D., Lim, T.T. (2014). Photodegradation of iodinated trihalomethanes in aqueous solution by UV 254 irradiation. <i>Water Research</i> 49, 275-285.
123	Goei, R., Lim, T.T. (2014). Asymmetric TiO <sub>2</sub> hybrid photocatalytic ceramic membrane with porosity gradient: Effect of structure directing agent on the resulting membranes architecture and performances. <i>Ceramics International</i> 40, 6747-6757.

124	Goei, R., Lim, T.T. (2014). Ag-decorated TiO <sub>2</sub> photocatalytic membrane with hierarchical architecture: Photocatalytic and anti-bacterial activities. <i>Water Research</i> 59, 207-218.
125	Wu, W., Huang, Z., Lim, T.T. (2014). Recent development of mixed metal oxide anodes for electrochemical oxidation of organic pollutants in water. <i>Applied Catalysis A: General</i> 480, 58-78.
126	Hu, Z.T., Chen, B., Lim, T.T. (2014). Single-crystalline Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> synthesized by low-temperature co-precipitation: performance as photo- and Fenton catalysts. <i>RSC Advances</i> 4, 27820-27829.
127	Loo, S.L., Lim, T.T, Krantz, W.B., Fane, A.G., Hu, X. (2014). Potential evaluation and perspectives on using sponge-like superabsorbent cryogels for onsite water treatment in emergencies. <i>Desalination &amp; Water Treatment, EWM 2013 Special Issue</i> , accepted.
128	Yin, Z. Y., Chen, B., Bosman, M., Cao, X. H., Chen, J. Z., Zheng, B., Zhang, H. (2014). Au Nanoparticle-Modified MoS <sub>2</sub> Nanosheet-Based Photoelectrochemical Cells for Water Splitting. <i>Small</i> , DOI: 10.1002/smll.201400124.
129	Ma, C. B., Qi, X. Y., Chen, B., Bao, S. Y., Yin, Z. Y., Wu, X. J., Luo, Z. M., Wei, J., Zhang, H.-L., Zhang, H. (2014). MoS <sub>2</sub> nanoflower-decorated reduced graphene oxide paper for high-performance hydrogen evolution reaction. <i>Nanoscale</i> 6, 5624-5629.
130	Chong, T.H., Loo, S.L., Krantz, W.B. (2014). Energy-efficient reverse osmosis desalination process. <i>Journal of Membrane Science</i> , revision under review.
131	Liu, J., Zhu, W., Yu, S., Yan, X. (2014). Three dimensional carbogenic dots/TiO <sub>2</sub> nanoheterojunctions with enhanced visible light-driven photocatalytic activity. <i>Carbon</i> , accepted.
132	Nie, L. N., Xiong, W. W., Li, P. Z., Han, J. Y., Zhang, G. D., Yin, S. M., Zhao, Y. L., Xu, R. *, Zhang, Q. C.* (2014). Surfactant-thermal method to prepare two novel two-dimensional Mn-Sb-S compounds for photocatalytic applications. <i>Journal of Solid State Chemistry</i> 220, 118-123.
133	134. Booshehri, A. Y., Goh, S. C. K., Hong, J., Jiang, R., & Xu, R. (2014). Effect of depositing silver nanoparticles on BiVO <sub>4</sub> in enhancing visible light photocatalytic inactivation of bacteria in water. <i>Journal of Materials Chemistry A</i> , 2(17), 6209-6217.
134	Hu, Z.T., Liu, J.C., Yan, X.L., Oh, W.D., and Lim, T.T. (2014). Low-temperature synthesis of graphene/Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> composite for synergistic adsorption-photocatalytic degradation of hydrophobic pollutant under solar irradiation. <i>Chemical Engineering Journal</i> 262 (2015), 1022–1032.
135	Liu X, Du H, Wang P, Lim T.T., Sun X. (2014). High-performance UV/visible photodetector of Cu <sub>2</sub> O/ZnO hybrid nanofilms on SWNTs-based flexible conducting substrates. <i>J. Mater. Chem. C</i> 2 (44), 9536-9542.

136	Loo S.L., Lim T.T., Krantz W.B., Fane A.G., Hu X. (2014). Potential evaluation and perspectives on using sponge-like superabsorbent cryogels for onsite water treatment in emergencies. <i>Desalination and Water Treatment</i> .
137	Oh W.D., Lua S.K., Dong Z., Lim T.T. (2014). High surface area DPA-hematite for efficient detoxification of bisphenol A via peroxymonosulfate activation. <i>Journal Materials Chemistry A</i> . 2 (38), 15836-15845.
138	Liang, YN, Li, YM, Ang, C, Shen, YD, Chi, DZ, Hu, X, (2014). Novel Low Temperature Synthesis Route for Functional Au/ZnFe Mixed Oxide Nanohybrids, <i>Acs Applied Materials &amp; Interfaces</i> 6 (15), 12406-12412.
139	Song, J. b., Duan, B., Wang, C.X., Zhou, J. J., Pu, L., Fang, Z., Wang, P., Lim, T. T., and Duan, H. W. (2014). SERS-Encoded Nanogapped Plasmonic Nanoparticles: Growth of Metallic Nanoshell by Templating Redox-Active Polymer Brushes, <i>Journal of the American Chemical Society</i> , 136, 6838–6841 (April 2014).
140	Zhang, J.; She, Q.; Chang, V. W. C.; Tang, C. Y.; Webster, R. D. (2014). Mining Nutrients (N, K, P) from Urban Source-Separated Urine by Forward Osmosis Dewatering. <i>Environ. Sci. Technol.</i> , 48(6), 3386–3394. (March 2014).
141	Booshehri, A. Y., Wang, R., & Xu, R. (2015). Simple method of deposition of CuO nanoparticles on a cellulose paper and its antibacterial activity. <i>Chemical Engineering Journal</i> , 262, 999-1008.
142	Kishor R., Seah Y. P., Zheng Y. J*, Xia H. M., Wang Z. F., Lu H. J., Lim T. T. (Sep 2015). Characterization of an acoustically coupled multilayered microfluidic platform on SAW substrate using mixing phenomena. <i>Sensors and Actuators A: Physical</i> 233, 360-367.
143	Oh W.D., Lua S.K., Dong Z., Lim T.T. (Mar 2015) Performance of magnetic activated carbon composite as peroxymonosulfate activator and regenerable adsorbent via sulphate radical-mediated oxidation processes. <i>Journal of Hazardous Materials</i> , 284, 1-9.
144	Zhang, Y., Jiang, Z., Huang, J., Lim, L., Li, W., Deng, J., Gong, D., Tang, Y., Lai, Y., Chen Z.* (2015). Titanate and Titania Nanostructured Materials for Environmental and Energy Applications: A Review, <i>RSC Advances</i> , 5, 79479-79510 (September 2015).
145	Kanhere, P., Chakraborty, C.* , Rupp, C. J., Ahuja, R., Chen, Z. (2015). Substitution induced band structure shape tuning in hybrid perovskites (CH <sub>3</sub> NH <sub>3</sub> Pb <sub>1-x</sub> Sn <sub>x</sub> I <sub>3</sub> ) for efficient solar cell applications, <i>RSC Advances</i> , 5, 107497-107502 (December 2015).
146	Yu, S., Liu, J., Zhu, W., Hu, Z. T., Lim, T. T., & Yan, X. (2015). Facile room-temperature synthesis of carboxylated graphene oxide-copper sulfide nanocomposite with high photodegradation and disinfection activities under solar light irradiation. <i>Scientific reports</i> , 5. (September 2015)
147	Nie L, Zhang Y, Ye K, Han J, Wang Y, Rakesh G, Li Y, Xu R,* Yan Q,* Zhang Q.* (2015) A crystalline Cu-Sn-S framework for high-performance lithium storage. <i>Journal Of Materials Chemistry A</i> . 3, 19410-19416. (August 2015).

148	Nie, L., Zhang, Y., Xiong, W., Lim, T.-T., Xu, R., Yan, Q.*, Zhang Q.* (2015) Surfactant-Thermal Method to Prepare Crystalline Thioantimonate for High-Performance Lithium-ion Batteries. <i>Inorganic Chemistry Frontiers</i> .3, 111-116. (November 2015).
149	Wang, P. (2015). Membrane photoreactors (MPRs) for photocatalysts separation and pollutants removal: Recent overview and new perspectives. <i>Separation Science and Technology</i> , 1-21 (October 2015).
150	Zhou, J. J., Wang, C.X., Wang, P., Messersmith, P. B., Duan, H. W. (2015). Multifunctional Magnetic Nanochains: Exploiting Self-Polymerization and Versatile Reactivity of Mussel-Inspired Polydopamine, <i>Chemistry of Materials</i> , 28, 3071–3076 (April 2015).
151	Zhou, J. J., Wang, P., Wang, C.X., Goh, Y. T., Fang, Z., Messersmith, P. B., Duan, H. W. (2015). Versatile CoreShell Nanoparticle@MetalOrganic Framework Nanohybrids: Exploiting Mussel-Inspired Polydopamine for Tailored Structural Integration, <i>ACS Nano</i> , 9, 6951–6960 (June 2015).
152	Xiao, Y.; Zhang, L.; Yue, J.; Webster, R. D.; Lim, T.-T. (2015). Kinetic Modeling and Energy Efficiency of UV/H <sub>2</sub> O <sub>2</sub> Treatment of Iodinated Trihalomethanes. <i>Water Res.</i> , 75, 259–269. (May 2015).
153	Wong, G. K. S.; Lim, L. Z.; Lim, M. J. W.; Ong, L. L.; Khezri, B.; Pumera, M.; Webster, R. D. (2015). Evaluation of the Sorbent Properties of Single- and Multiwalled Carbon Nanotubes for Volatile Organic Compounds through Thermal Desorption-Gas Chromatography/Mass Spectrometry. <i>ChemPlusChem</i> , 80(8), 1279–1287. (August 2015).
154	Khezri, B.; Chan, Y. Y.; Tiong, L. Y. D.; Webster, R. D. (2015). Annual air pollution caused by the Hungry Ghost Festival. <i>Environ. Sci.: Processes Impacts</i> , 17(9), 1578–1586. (July 2015).
155	Tay S. P., Hu X.*, Fleming P., Forrester S. (2016) Tribological investigation into achieving skin-friendly artificial turf surfaces. <i>Materials &amp; Design</i> 89, 177-182. (January)
156	Tay S. P., Hu X.*, Fleming P., Forrester S. (2016) Addressing skin abrasions on artificial turfs with zwitterionic polymer brushes. <i>RSC Advances</i> 6, 39. 32446-32453. (March)
157	Oh W.D., Luo S.K., Dong Z.L., Lim T.T.* (2016). Rational design of hierarchically-structured CuBi <sub>2</sub> O <sub>4</sub> composites by deliberate manipulation of the nucleation and growth kinetics of CuBi <sub>2</sub> O <sub>4</sub> for environmental applications, <i>Nanoscale</i> , 8, 2046-2054. (January)