

Andy T S Hor

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#	Paper	IF	Citations
310	Oxygen Reduction in Alkaline Media: From Mechanisms to Recent Advances of Catalysts. <i>ACS Catalysis</i> , 2015 , 5, 4643-4667	13.1	748
309	Recent advances in C-S bond formation via C-H bond functionalization and decarboxylation. <i>Chemical Society Reviews</i> , 2015 , 44, 291-314	58.5	574
308	Enhancing multiphoton upconversion through energy clustering at sublattice level. <i>Nature Materials</i> , 2014 , 13, 157-62	27	435
307	Dual-phase spinel MnCo ₂ O ₄ and spinel MnCo ₂ O ₄ /nanocarbon hybrids for electrocatalytic oxygen reduction and evolution. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 12684-91	9.5	260
306	Decoration of activated carbon nanotubes with copper and nickel. <i>Carbon</i> , 2000 , 38, 363-372	10.4	254
305	From Lithium-Oxygen to Lithium-Air Batteries: Challenges and Opportunities. <i>Advanced Energy Materials</i> , 2016 , 6, 1502164	21.8	237
304	Co ₃ O ₄ nanoparticle-modified MnO ₂ nanotube bifunctional oxygen cathode catalysts for rechargeable zinc-air batteries. <i>Nanoscale</i> , 2013 , 5, 4657-61	7.7	215
303	Co ₃ O ₄ nanoparticles decorated carbon nanofiber mat as binder-free air-cathode for high performance rechargeable zinc-air batteries. <i>Nanoscale</i> , 2015 , 7, 1830-8	7.7	200
302	Broadband optical limiting with multiwalled carbon nanotubes. <i>Applied Physics Letters</i> , 1998 , 73, 3632-3634	9.4	197
301	Cp*Rh-based heterometallic metallarectangles: size-dependent Borromean link structures and catalytic acyl transfer. <i>Journal of the American Chemical Society</i> , 2013 , 135, 8125-8	16.4	192
300	Metal unsaturation and ligand hemilability in Suzuki coupling. <i>Accounts of Chemical Research</i> , 2007 , 40, 676-84	24.3	168
299	Recent advances in metal catalysts with hybrid ligands. <i>Coordination Chemistry Reviews</i> , 2011 , 255, 1991-2024	20.4	138
298	Influence of carbon pore size on the discharge capacity of LiO ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12433-12441	13	125
297	Potential of metal-free graphene alloys as electrocatalysts for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1795-1810	13	118
296	Ag nanoparticle-modified MnO ₂ nanorods catalyst for use as an air electrode in zinc-air battery. <i>Electrochimica Acta</i> , 2013 , 114, 598-604	6.7	113
295	Nickel-catalyzed three-component domino reactions of aryl Grignard reagents, alkynes, and aryl halides producing tetrasubstituted alkenes. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3189-92	16.4	96
294	Durable rechargeable zinc-air batteries with neutral electrolyte and manganese oxide catalyst. <i>Journal of Power Sources</i> , 2016 , 332, 330-336	8.9	95

- 293 A Near-Neutral Chloride Electrolyte for Electrically Rechargeable Zinc-Air Batteries. *Journal of the Electrochemical Society*, **2014**, 161, A2080-A2086 3.9 93
- 292 Mussel-inspired one-pot synthesis of transition metal and nitrogen co-doped carbon (M/N-C) as efficient oxygen catalysts for Zn-air batteries. *Nanoscale*, **2016**, 8, 5067-75 7.7 89
- 291 Eggplant-derived microporous carbon sheets: towards mass production of efficient bifunctional oxygen electrocatalysts at low cost for rechargeable Zn-air batteries. *Chemical Communications*, **2015**, 51, 8841-4 5.8 87
- 290 Convenient Entry to Mono- and Dinuclear Palladium(II) Benzothiazolin-2-ylidene Complexes and Their Activities toward Heck Coupling. *Organometallics*, **2006**, 25, 5105-5112 3.8 87
- 289 Highly Selective Chromium(III) Ethylene Trimerization Catalysts with [NON] and [NSN] Heteroscorpionate Ligands. *Organometallics*, **2008**, 27, 4277-4279 3.8 85
- 288 Stabilization of Nickel(0) by Hemilabile P,N-Ferrocene Ligands and Their Ethylene Oligomerization Activities. *Organometallics*, **2006**, 25, 4878-4882 3.8 85
- 287 Key parameters in design of lithium sulfur batteries. *Journal of Power Sources*, **2014**, 269, 111-116 8.9 82
- 286 Benzenimidazole-Functionalized Imidazolium-Based N-Heterocyclic Carbene Complexes of Silver(I) and Palladium(II): Isolation of a Ag₃ Intermediate toward a Facile Transmetalation and Suzuki Coupling. *Organometallics*, **2008**, 27, 672-677 3.8 81
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- 283 Benzimidazolium-Pyrazole-Palladium(II) Complexes: New and Efficient Catalysts for Suzuki, Heck and Sonogashira Reactions. *Advanced Synthesis and Catalysis*, **2008**, 350, 2391-2400 5.6 75
- 282 Structures of copper complexes of the hybrid [SNS] ligand of bis(2-(benzylthio)ethyl)amine and facile catalytic formation of 1-benzyl-4-phenyl-1H-1,2,3-triazole through click reaction. *Inorganic Chemistry*, **2009**, 48, 1207-13 5.1 73
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- 280 Tricarbonylrhenium(I) complexes of phosphine-derivatized amines, amino acids and a model peptide: structures, solution behavior and cytotoxicity. *Journal of Organometallic Chemistry*, **2002**, 650, 123-132 2.3 72
- 279 Sulfur-carbon yolk-shell particle based 3D interconnected nanostructures as cathodes for rechargeable lithium-sulfur batteries. *Journal of Materials Chemistry A*, **2015**, 3, 1853-1857 13 71
- 278 Building better lithium-sulfur batteries: from LiNO₃ to solid oxide catalyst. *Scientific Reports*, **2016**, 6, 33154 4.9 71
- 277 Spacer directed metallo-supramolecular assemblies of pyridine carboxylates. *Coordination Chemistry Reviews*, **2011**, 255, 273-289 23.2 70
- 276 1,1EP/O-Ferrocenyl Ligands in Palladium-Catalyzed Suzuki Coupling of Aryl Chlorides. *Organometallics*, **2006**, 25, 1199-1205 3.8 67

- 275 Preparation and assembly of colloidal gold nanoparticles in CTAB-stabilized reverse microemulsion. *Materials Letters*, **2003**, 57, 3282-3286 3.3 67
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- 273 Novel Pt(II) Mono- and Biscarbene Complexes: Synthesis, Structural Characterization and Application in Hydrosilylation Catalysis. *Organometallics*, **2009**, 28, 1212-1220 3.8 65
- 272 Substituent-dependent structures and catalysis of benzimidazole-tethered N-heterocyclic carbene complexes of Ag(I), Ni(II) and Pd(II). *Dalton Transactions*, **2010**, 39, 5231-41 4.3 65
- 271 Efficient and durable oxygen reduction and evolution of a hydrothermally synthesized La(Co_{0.55}Mn_{0.45})_{0.99}O₃-nanorod/graphene hybrid in alkaline media. *Nanoscale*, **2015**, 7, 9046-54 7.7 64
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- 264 Chemistry of platinum sulphido-complexes. Part 4. Dimeric μ -alkyl-sulphido-complexes: crystal and molecular structures of [Pt₂(μ -S)(μ -SMe)(PPh₃)₄]PF₆·MeOH and cis-[Pt₂(μ -SMe)₂(NO₂)₂(PPh₃)₂]. *Journal of the Chemical Society Dalton Transactions*, **1984**, 2645-2651 61
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257	Aryl-BIAN-ligated silver(I) trifluoromethoxide complex. <i>Dalton Transactions</i> , 2015 , 44, 19682-6	4.3	53
256	Stitching 2D polymeric layers into flexible interpenetrated metal-organic frameworks within single crystals. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4628-32	16.4	53
255	Efficient Suzuki Coupling of Aryl Chlorides Catalyzed by Palladium(0) with a P,N Heteroligand and Isolation of Unsaturated Intermediates. <i>Organometallics</i> , 2004 , 23, 4342-4345	3.8	53
254	Copper-catalyzed trifluoromethylselenolation of aryl and alkyl halides: the silver effect in transmetalation. <i>Organic Letters</i> , 2014 , 16, 524-7	6.2	52
253	"Click-and-click"--hybridised 1,2,3-triazoles supported Cu(I) coordination polymers for azide-alkyne cycloaddition. <i>Dalton Transactions</i> , 2013 , 42, 9437-43	4.3	51
252	Effect of oxygen evolution catalysts on hematite nanorods for solar water oxidation. <i>Chemical Communications</i> , 2011 , 47, 10653-5	5.8	51
251	Substituted metal carbonyls XI. 1,1'-Bis(diphenylphosphino)ferrocene η^2 bridging, chelating and unidentate ligand in the synthesis of $M_2(CO)_{10}(EP_2P)$, $M(CO)_4(\eta^2-P_2P)$ and $M(CO)_5(\eta^1-P_2P)$ (where M = Cr, Mo, W and $P_2P = Fe(C_5H_4PPh_2)_2$). <i>Journal of Organometallic Chemistry</i> , 1989 , 373, 319-324	2.3	50
250	Crystallographic Elucidation of Chiral and Helical Cu(II) Polymers Assembled from a Heterodifunctional 1,2,3-Triazole Ligand \square <i>Crystal Growth and Design</i> , 2010 , 10, 1715-1720	3.5	49
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246	N-heterocyclic carbene complexes of Group 6 metals. <i>Coordination Chemistry Reviews</i> , 2015 , 293-294, 292-326	23.2	46
245	Bimetallic structure fabricated by laser interference lithography for tuning surface plasmon resonance. <i>Optics Express</i> , 2008 , 16, 10701-9	3.3	46
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242	Intrinsically Conductive Perovskite Oxides with Enhanced Stability and Electrocatalytic Activity for Oxygen Reduction Reactions. <i>ACS Catalysis</i> , 2016 , 6, 7865-7871	13.1	46
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240	The effect of crystallinity on photocatalytic performance of Co ₃ O ₄ water-splitting cocatalysts. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 5172-8	3.6	44

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212	Metalloporphyrin-catalyzed hydroxylation of cyclohexane with molecular oxygen. <i>Journal of Molecular Catalysis</i> , 1991 , 70, 247-257		34
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185	Methylation of [Pt ₂ (μ-SR)(μ-S)(PPh ₃) ₄]: en route to mixed-thiolato bridged complexes. <i>Chemistry - an Asian Journal</i> , 2006 , 1, 264-72	4.5	26
184	Methoxylation of the ReRe bond in [Re ₂ (CO) ₁₀] by methanol under ambient conditions. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992 , 423-426		26
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58	One-pot oxidation and protonation of a bridging sulfide and rare crystallographic evidence of a coordinated [SO] complex in $[\text{Pt}_2(\text{micro-S}_2\text{O}_2\text{H})(\text{PPh}_3)_4]^+$. <i>Chemical Communications</i> , 2009 , 3416-8	5.8	9
57	Synthesis and characterisation of adducts of $[\text{Pt}_2(\text{E})_2(\text{PPh}_3)_4]$ with organo-palladium and platinum-hydride substrates. <i>Inorganica Chimica Acta</i> , 2010 , 363, 2387-2393	2.7	9
56	Self-selected formation of a heteropolymetallic sandwich $[\text{Pd}_3\text{Pt}_4(\text{micro-3-S})_4(\text{micro-dppy})_4(\text{dppy})_4][\text{PF}_6]_3$ from dinuclear addition across the $[\text{Pt}_2]$ and $[\text{Pd}_2]$ cores (dppy = 2-(diphenylphosphino)pyridine). <i>Dalton Transactions</i> , 2008 , 6619-23	4.3	9
55	Heterobimetallic platinumBismuth aggregates derived from $[\text{Pt}_2(\text{E})_2(\text{PPh}_3)_4]$. <i>Inorganica Chimica Acta</i> , 2006 , 359, 221-227	2.7	9
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50	Thallium(III) complexes of the metalloligands $[\text{Pt}_2(\text{E})_2(\text{PPh}_3)_4]$ and $[\text{Pt}_2(\text{ESe})_2(\text{PPh}_3)_4]$. <i>Inorganica Chimica Acta</i> , 2009 , 362, 5237-5244	2.7	8
49	Synthesis and structural characterisation of the leadplatinum sulfido aggregates $[\text{Pt}_2(\text{E})_2(\text{PPh}_3)_4\text{PbX}_2]$ (X=Br, I); promotion of rare tetrahedral geometry for lead(II). <i>Inorganica Chimica Acta</i> , 2010 , 363, 1859-1863	2.7	8
48	Formation of $[\text{PtPd}(2)(\mu(3)\text{-X})(2)(\text{P-P})(\text{dppmX})(2)](2+)$ (X = S, Se; P-P = dppe, 2 x PPh(3)) aggregates through activation of the chalcogen-rich $[\text{PtX}(4)]$ ring by a Pd(I)-Pd(I) bond. <i>Dalton Transactions</i> , 2008 , 5708-11	4.3	8
47	Pressure-assisted hetero- and homodialkylation of sulfide in $[\text{Pt}_2(\mu\text{-S})_2(\text{dppp})_2]$: one-pot conversion of $\{\text{Pt}_2(\mu\text{-S})_2\}$ into $\{\text{Pt}_2(\text{SR})_2\}$ and $\{\text{Pt}_2(\text{SR})(\text{SR}')\}$. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 1356-62	4.5	8
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45	Thermal analysis of conducting polymers. Part 3. Isothermal thermogravimetry of doped and pristine polyaniline. <i>Thermochimica Acta</i> , 1993 , 225, 75-83	2.9	8
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