Terence W Turney

List of Publications by Year
in descending order

45 papers	1,834 citations	257450 24 h-index	254184 43 g-index
45 all docs	45 docs citations	45 times ranked	2901 citing authors

#	Article	IF	Citations
1	Relating Cytotoxicity, Zinc Ions, and Reactive Oxygen in ZnO Nanoparticleâ€“Exposed Human Immune Cells. Toxicological Sciences, 2013, 136, 120-130.	3.1	198
2	Fate of Zinc Oxide Nanoparticles during Anaerobic Digestion of Wastewater and Post-Treatment Processing of Sewage Sludge. Environmental Science & Technology, 2012, 46, 9089-9096.	10.0	193
3	Quantification of ZnO Nanoparticle Uptake, Distribution, and Dissolution within Individual Human Macrophages. ACS Nano, 2013, 7, 10621-10635.	14.6	116
4	Reducing ZnO nanoparticle cytotoxicity by surface modification. Nanoscale, 2014, 6, 5791-5798.	5.6	95
5	Surface area control during the synthesis and reduction of high area ceria catalyst supports. Applied Catalysis A: General, 1996, 134, 351-362.	4.3	86
6	Formation of glycerol carbonate from glycerol and urea catalysed by metal monoglycerolates. Green Chemistry, 2013, 15, 1925.	9.0	78
7	Uptake of zinc and phosphorus by plants is affected by zinc fertiliser material and arbuscular mycorrhizas. Plant and Soil, 2014, 376, 165-175.	3.7	74
8	Effect of substrate on surface morphology and photocatalysis of large-scale TiO2 films. Applied Surface Science, 2013, 265, 162-168.	6.1	69
9	Porous 45S5 BioglassÂ®-based scaffolds using stereolithography: Effect of partial pre-sintering on structural and mechanical properties of scaffolds. Materials Science and Engineering C, 2017, 75, 1281-1288.	7.3	64
10	Dinuclear arene hydrido-complexes of ruthenium(II): reactions with olefins and catalysis of homogeneous hydrogenation of arenes. Journal of the Chemical Society Chemical Communications, 1979, , 312.	2.0	63
11	An XPS study of Ru-promotion for Co/CeO2 Fischer-Tropsch catalyst. Applied Surface Science, 1993, 72, 55-65.	6.1	62
12	Formation of Zinc-Containing Nanoparticles from Zn²⁺ Ions in Cell Culture Media: Implications for the Nanotoxicology of ZnO. Chemical Research in Toxicology, 2012, 25, 2057-2066.	3.3	62
13	Ruthenium promotion of fischer-tropsch synthesis over coprecipitated cobalt/ceria catalysts. Applied Catalysis A: General, 1993, 100, 51-67.	4.3	59
14	An arene hydrido-complex of ruthenium(II) as catalyst for the homogeneous hydrogenation of benzene and olefins. Journal of the Chemical Society Chemical Communications, 1978, , 582.	2.0	50
15	Independent cytotoxic and inflammatory responses to zinc oxide nanoparticles in human monocytes and macrophages. Nanotoxicology, 2012, 6, 757-765.	3.0	46
16	Complexation of Cu(II) and Ni(II) by nitrilotriacetate intercalated in Znâ€“Cr layered double hydroxides. Journal of Materials Chemistry, 2000, 10, 1219-1224.	6.7	41
17	Supported ruthenium nanoparticles on polyorganophosphazenes: preparation, structural and catalytic studies. Inorganica Chimica Acta, 2003, 352, 61-71.	2.4	37
18	Nanostructured ruthenium on Î³-Al2O3 catalysts for the efficient hydrogenation of aromatic compounds. Journal of Organometallic Chemistry, 2004, 689, 639-646.	1.8	34

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19	Reactions of co-ordinated ligands. Part 15. The cycloaddition of electronegatively substituted unsaturated systems to tricarbonyl(Î·-N-methoxycarbonyl-1H-azepine)-iron and -ruthenium and tricarbonyl(Î·-cyclohepta-2,4,6-trien-1-one)iron. Journal of the Chemical Society Dalton Transactions, 1977, , 204-211.	1.1	33
20	Isolation of a co-ordinated ketol intermediate in the hydrolysis of PF6â€“initiated by the labile cations [Ru(Î·6-arene)(acetone)3]2+; X-ray crystal structure of acetone(4-hydroxy-4-methylpentan-2-one)(Î·6-mesitylene)ruthenium bistetrafluoroborate. Journal of the Chemical Society Chemical Communications, 1979, , 32-33.	2.0	32
21	Synthesis and reactions of octakis(t-butyl isocyanide)dicobalt and pentakis(t-butyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 T [Ru(Ph3P)(ButNC)4]. Journal of the Chemical Society Chemical Communications, 1977, , 256.	2.0	29
22	Reaction of bis(cyclo-octa-1,5-diene)iron with trimethyl phosphite, phosphorus trifluoride, t-butyl isocyanide, carbon monoxide, and bis-1,2-(diphenylphosphino)ethane; the synthesis of [Fe(N2)(diphos)2]. Journal of the Chemical Society Chemical Communications, 1976, , 270b.	2.0	27
23	Reactions of transition-metal vapours with cycloheptatriene and cyclo-octatetraene. Journal of the Chemical Society Dalton Transactions, 1976, , 2021.	1.1	26
24	Hydrocracking and isomerization of n-octane and 2,2,4-trimethylpentane over a platinum/alumina-pillared clay. Applied Catalysis, 1991, 70, 197-212.	0.8	26
25	Synthesis and Structure of Tochilinite: A Layered Metal Hydroxide/Sulfide Composite. Journal of Solid State Chemistry, 1994, 108, 102-111.	2.9	24
26	Synthesis, molecular structure, and dynamic behaviour in solution of octakis(t-butyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (isocy	1.1	22
27	Comparison of UVA-induced ROS and sunscreen nanoparticle-generated ROS in human immune cells. Photochemical and Photobiological Sciences, 2014, 13, 781-788.	2.9	21
28	Heterobimetallic methylenebis(diphenylphosphine) complexes. Synthesis, structure and reactions of a mixed palladium-manganese system. Inorganica Chimica Acta, 1983, 77, L69-L71.	2.4	19
29	Nucleation of isotactic polypropylene with metal monoglycerolates. Polymer, 2015, 59, 110-116.	3.8	17
30	Reversible Double Deprotonation of Hexamethylbenzene on Ruthenium: Formation of a Fluxional ?3-Benzyl Compound by Protonation of ano-Quinodimethane Complex of Ruthenium(0). Angewandte Chemie International Edition in English, 1982, 21, 379-379.	4.4	16
31	Cyclic carbonateâ€“sodium smectite intercalates. Applied Clay Science, 2016, 124-125, 94-101.	5.2	16
32	Addition of small molecules to Mn2(CO)5(Ph2PCH2PPh2)2 including the isolation of a diazomethane adduct. Inorganica Chimica Acta, 1982, 64, L141-L143.	2.4	14
33	Synthesis and Structure of Valleriite, a Layered Metal Hydroxide/Sulfide Composite. Journal of Solid State Chemistry, 1993, 104, 422-436.	2.9	13
34	Shape selective cracking ofn-octane and 2,2,4-trimethylpentane over an alumina-pillared clay. Catalysis Letters, 1994, 23, 151-160.	2.6	13
35	ZnO nanoparticles and organic chemical UV-filters are equally well tolerated by human immune cells. Nanotoxicology, 2016, 10, 1287-1296.	3.0	12
36	Pendant cyclic carbonateâ€polymer/Naâ€smectite nanocomposites via in situ intercalative polymerization and solution intercalation. Journal of Polymer Science Part A, 2016, 54, 2421-2429.	2.3	11

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37	Synthesis and reactions of heterobimetallic magnaneseâ€“palladium complexes. Crystal and molecular structure of [MnPdBr(CO)3-(Âµ-Ph2PCH2PPh2)2]. Journal of the Chemical Society Dalton Transactions, 1984, , 1831-1836.	1.1	10
38	Cobalt-catalysed reactions of methoxysilanes with CO/HSiEt3: a reaction analogous to methanol homologation. Journal of Molecular Catalysis, 1987, 39, 237-241.	1.2	5
39	Stabiliser distribution and efficiency examined by depth profiling polypropylene using a positron beam. Surface Science, 2007, 601, 5750-5756.	1.9	5
40	Zinc monoglycerolate as a catalyst for the conversion of 1,3- and higher diols to diurethanes. RSC Advances, 2015, 5, 47809-47812.	3.6	5
41	Contaminant effects on the photo-oxidation of greywater over titania film catalysts. Journal of Water Process Engineering, 2015, 7, 46-53.	5.6	4
42	Hydrogenation of CO over a Ru-promoted Cobalt/Cerium Oxide Catalyst. Studies in Surface Science and Catalysis, 1994, 81, 427-432.	1.5	3
43	Reversible Double Deprotonation of Hexamethylbenzene on Ruthenium: Formation of a Fluxionaltrihapto-Benzyl Compound by Protonation of ano-Xylylene Complex of Zerovalent Ruthenium. Angewandte Chemie International Edition in English, 1982, 21, 853-861.	4.4	2
44	‹title›Synthetic opal as a template for nanostructured materials‹/title›. , 2001, , .		1
45	Developing design rules for fabricating microdevices with an integrated micro-sorption pump for vacuum generation: a theoretical study. Journal of Micromechanics and Microengineering, 2005, 15, 2346-2352.	2.6	1