Graham Dawson

List of Publications by Year
in descending order

33 papers	2,350 citations	687363 13 h-index	414414 32 g-index
34 all docs	34 docs citations	34 times ranked	3678 citing authors

#	Article	IF	Citations
1	Simple pyrolysis of urea into graphitic carbon nitride with recyclable adsorption and photocatalytic activity. Journal of Materials Chemistry, 2011, 21, 14398.	6.7	1,410
2	Formation Mechanism ofH2Ti3O7Nanotubes. Physical Review Letters, 2003, 91, 256103.	7.8	331
3	Large scale preparing carbon nanotube/zinc oxide hybrid and its application for highly reusable photocatalyst. Chemical Engineering Journal, 2012, 191, 571-578.	12.7	127
4	In-situ fabrication of Bi2S3/BiVO4/Mn0.5Cd0.5S-DETA ternary S-scheme heterostructure with effective interface charge separation and CO2 reduction performance. Journal of Materials Science and Technology, 2022, 117, 109-119.	10.7	83
5	Inorganic-organic hybrid photocatalysts: Syntheses, mechanisms, and applications. Chinese Journal of Catalysis, 2022, 43, 2111-2140.	14.0	49
6	Development of UV-LED/TiO2 Device and Their Application for Photocatalytic Degradation of Methylene Blue. Journal of Materials Engineering and Performance, 2013, 22, 1035-1040.	2.5	45
7	Construction of 1D/2D W₁₈O₄₉/Porous g-C₃N₄ S-Scheme Heterojunction with Enhanced Photocatalytic H₂ Evolution. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2021, .	4.9	33
8	In Situ Preparation of Mn_{0.2}Cd_{0.8}Sâ€Diethylenetriamine/Porous gâ€C₃N₄ Sâ€Scheme Heterojunction with Enhanced Photocatalytic Hydrogen Production. Advanced Sustainable Systems, 2023, 7, .	5.3	32
9	Branch-like Cd Zn1-Se/Cu2O@Cu step-scheme heterojunction for CO2 photoreduction. Materials Today Physics, 2022, 26, 100729.	6.0	31
10	Efficient solar-driven CO2 reduction on aminated 2D/2D BiOBr/CdS-diethylenetriamine S-scheme heterojunction. Ceramics International, 2022, 48, 8423-8432.	4.8	25
11	A study on the effect of starting material phase on the production of trititanate nanotubes. Solid State Sciences, 2010, 12, 2170-2176.	3.2	24
12	Plasmonic enhanced Cu2O-Au-BFO photocathodes for solar hydrogen production. Scientific Reports, 2019, 9, 5140.	3.3	16
13	Dopamine Surface Modification of Trititanate Nanotubes: Proposed Inâ€Situ Structure Models. Chemistry - A European Journal, 2016, 22, 6071-6074.	3.3	14
14	Synthesis, thermal reactivity and kinetics of substituted [(benzoyl)(phenylcarbamoyl)methylene]triphenylphosphoranes and their thiocarbamoyl analogues. Tetrahedron, 2005, 61, 129-135.	1.9	13
15	Heterostructure nanocomposite with local surface plasmon resonance effect enhanced photocatalytic activityâ€”a critical review. Journal Physics D: Applied Physics, 2022, 55, 043002.	2.8	13
16	Accelerated electron beam induced breakdown of commercial WO3 into nanorods in the presence of triethylamine. Physical Chemistry Chemical Physics, 2011, 13, 20923.	2.8	12
17	The shape-specific photocatalytic efficiency of quantum size TiO2 nanoparticles. Catalysis Communications, 2012, 21, 1-4.	3.3	12
18	Dopamineâ€Modified Trititanate Nanotubes with UVâ€and Visibleâ€Light Photocatalytic Activity: Coordinative Selfâ€Assembly into a Recyclable Absorber. ChemCatChem, 2012, 4, 1133-1138.	3.7	11

#	Article	IF	Citations
19	Uniform arrays of centre-type topological domains in epitaxial ferroelectric thin films. Journal of Materials Chemistry C, 2022, 10, 3071-3080.	5.5	11
20	The toxicity evaluation of nano-trititanate with bactericidal properties in vitro. Nanotoxicology, 2012, 6, 327-337.	3.0	10
21	Kinetic and mechanistic study on the thermal reactivity of stabilized phosphorus ylides, part 3: [(Acetyl)(arylcarbamoyl)methylene]triphenylphosphoranes and [(alkoxycarbonyl)(arylcarbamoyl)methylene]triphenylphosphoranes and their thiocarbamoyl analogues. International Journal of Chemical Kinetics, 2007, 39, 6-16.	1.6	7
22	Easy and Large Scale Synthesis Silver Nanodendrites: Highly Effective Filler for Isotropic Conductive Adhesives. Journal of Materials Engineering and Performance, 2012, 21, 353-357.	2.5	7
23	The photocathodic properties of a Fe2O3 wrapped CuFeO2 layer on ITO glass for water splitting. Chemical Physics, 2018, 513, 241-245.	1.9	7
24	Thermal rearrangement of thiocarbonyl-stabilised triphenylphosphonium ylides leading to (Z)-1-diphenylphosphino-2-phenylsulfenylalkenes. Chemical Communications, 2009, , 7381.	4.1	6
25	Microwave-assisted synthesis of organicâ€“inorganic hybrid porous g-C₃N₄/CdSâ€“diethylenetriamine S-scheme heterojunctions with enhanced visible light hydrogen production. Journal Physics D: Applied Physics, 2022, 55, 244001.	2.8	5
26	Enhanced photocatalytic activity of brown H₄Nb₆O₁₇/g-C₃N₄ composite for visible-light driven H₂O₂ production. Energy Advances, 2022, 1, 169-176.	3.3	4
27	SERS of Trititanate Nanotubes: Selective Enhancement of Catechol Compounds. ChemistrySelect, 2018, 3, 8338-8343.	1.5	3
28	Excellent surface enhanced Raman properties of titanate nanotube-dopamine-Ag triad through efficient substrate design and LSPR matching. Journal of Materials Science: Materials in Electronics, 2021, 32, 21603-21610.	2.2	3
29	Anatase nanocrystals with {103} and {112} facets by hydrothermal transformation of titanate nanotubes. Micro and Nano Letters, 2011, 6, 675.	1.3	2
30	Characterisation and control of cementitious mixes with colour pigment admixtures. Case Studies in Construction Materials, 2021, 15, e00571.	1.7	2
31	Morphology dependent adsorption of methylene blue on trititanate nanoplates and nanotubes prepared by the hydrothermal treatment of TiO2. Water Science and Technology, 2017, 75, 350-357.	2.5	1
32	MoS2/Au-Sensitized TiO2 Nanotube Arrays with Coreâ€“Shell Nanostructure for Hydrogen Production. Nano, 2017, 12, 1750115.	1.0	1
33	Mass Production and Reusable Photocatalytic Activity of ZnS Microspheres. Nanoscience and Nanotechnology Letters, 2013, 5, 204-208.	0.4	0