Feng Zhou

List of Publications by Year
in descending order

63 papers	1,088 citations	393982 19 h-index	433756 31 g-index
64 all docs	64 docs citations	64 times ranked	1291 citing authors

#	Article	IF	Citations
1	In-situ synthesis of Bi0 on 3D-3D-shaped (BiO)2CO3 surface for photocatalytic inactivation: Metal self-doping mechanism. Journal of Environmental Chemical Engineering, 2022, 10, 107576.	3.3	2
2	A Tandem Reaction System for Inactivation of Marine Microorganisms by Commercial Carbon Black and Boron-Doped Carbon Nitride. ACS Omega, 2022, 7, 16524-16535.	1.6	2
3	Effects of hydroxyl groups on the surface of zinc stannate on the photocatalytic inactivation of marine microorganisms. Reaction Kinetics, Mechanisms and Catalysis, 2022, 135, 2195-2205.	0.8	1
4	Study on high antibacterial RGO/Bi2WO6 microspheres combined with PEVE coating for marine sterilization under visible light. Research on Chemical Intermediates, 2021, 47, 2297.	1.3	9
5	Study of BiOI/BiOIO3 composite photocatalyst for improved sterilization performance of fluorocarbon resin coating (PEVE). Chemical Physics Letters, 2021, 766, 138329.	1.2	15
6	Catalytic conversion of seawater to fuels: Eliminating N vacancies in g-C3N4 to promote photocatalytic hydrogen production. Environmental Research, 2021, 197, 111167.	3.7	14
7	The enhanced photocatalytic inactivation of marine microorganisms over ZnO supported Ag quantum dots by the synthesis of H2O2. Environmental Research, 2021, 197, 111129.	3.7	26
8	Morphology modulation and performance optimization of nanopetal-based Ag-modified Bi2O2CO3 as an inactivating photocatalytic material. Environmental Research, 2021, 198, 111256.	3.7	16
9	Study on the antibacterial properties of BiOIO3/graphene oxide (GO) modified fluorocarbon resin coating (PEVE) under UV light. Reaction Kinetics, Mechanisms and Catalysis, 2021, 134, 579-589.	0.8	2
10	Performance tuning and optimisation of 2Dâ€“2D-like g-C3N4 modified Bi2O2CO3 nâ€“n homotypic heterojunction as an inactivating photocatalytic material. Journal of Environmental Chemical Engineering, 2021, 9, 106176.	3.3	6
11	H2O2-assisted photocatalysis induced by SPR of BiQDs anchored on BiVO4 for the production of hydroxyl radicals in seawater. Journal of Environmental Chemical Engineering, 2021, 9, 105973.	3.3	5
12	Enhanced antifouling property of fluorocarbon resin coating (PEVE) by the modification of g-C3N4/Ag2WO4 composite step-scheme photocatalyst. Applied Surface Science, 2020, 506, 144934.	3.1	44
13	Photocatalytic inactivation of marine microorganisms by a Ag/AgCl/ZnWO4 film under UV light. Reaction Kinetics, Mechanisms and Catalysis, 2020, 129, 1077-1089.	0.8	3
14	Antifouling properties of PEVE coating modified by BiVO4/BiOIO3 composite photocatalyst. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	8
15	Synthesis of g-C3N4/BiVO4 and Its Photocatalytic Performance for Hydrogen Production. Arabian Journal for Science and Engineering, 2020, 45, 4659-4667.	1.7	3
16	Synthesizing ZnWO4 with enhanced performance in photoelectrocatalytic inactivating marine microorganisms. Applied Surface Science, 2019, 496, 143645.	3.1	8
17	Preparation of WO3/g-C3N4 composites with enhanced photocatalytic hydrogen production performance. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	9
18	Enhanced photocatalytic activities of Ag3PO4/GO in tetracycline degradation. Chemical Physics Letters, 2019, 724, 90-95.	1.2	31

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19	High-efficiency and environment-friendly sterilization PEVE coatings modified with Bi2WO6/TiO2 composites. Chemical Physics Letters, 2019, 715, 173-180.	1.2	17
20	Inactivating marine microorganisms for photoelectrocatalysis by ZnWO4 electrode obtained by surfactant-assisted synthesis. Applied Surface Science, 2019, 467-468, 819-824.	3.1	15
21	Enhanced photocatalytic activities of SnO2 by graphene oxide and its application in antibacterial. Optical and Quantum Electronics, 2018, 50, 1.	1.5	13
22	First-principles study of interaction between vacancies and nitrogen atoms in fcc iron. Computational Materials Science, 2018, 149, 65-72.	1.4	8
23	Photoassisted oxygen reduction reaction on mpg-C 3 N 4 : The effects of elements doping on the performance of ORR. Applied Surface Science, 2018, 430, 325-334.	3.1	24
24	Mechanisms on the enhanced sterilization performance of fluorocarbon resin composite coatings modified by g-C3N4/Bi2MoO6 under the visible-light. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 350, 10-16.	2.0	36
25	Study on the bactericidal performance of graphene/TiO2 composite photocatalyst in the coating of PEVE. Applied Surface Science, 2018, 430, 116-124.	3.1	46
26	Enhancement of g-C3N4 cathode for inactivation of marine microorganisms in ZnWO4 photocatalytic system. Applied Surface Science, 2018, 456, 156-163.	3.1	18
27	Research on the oxygen reduction reaction (ORR) mechanism of gâ€C‹sub›3‹/sub›N‹sub›4‹/sub› doped by Ag based on firstâ€principles calculations. Journal of the Chinese Chemical Society, 2018, 65, 1431-1436.	0.8	11
28	Facile preparation of BiOCl x I1â˜'x composites with enhanced visible-light photocatalytic activity. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	6
29	Preparation of Ag/AgBrâ€“Bi2MoO6 Plasmonic Photocatalyst Films with Highly Enhanced Photocatalytic Activity. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 1365-1375.	1.9	14
30	Mechanisms on the Sterilization Performance of Fluorocarbon Resin Composite Coatings Enhanced by g-C3N4/TiO2. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 353-362.	1.9	16
31	Deactivating harmful marine microorganisms through photoelectrocatalysis by GO/ZnWO4 electrodes. Chemical Engineering Journal, 2017, 330, 635-643.	6.6	32
32	Synthesis of ZnWO4 Electrode with tailored facets: Deactivating the Microorganisms through Photoelectrocatalytic methods. Applied Surface Science, 2017, 391, 609-616.	3.1	31
33	Enhancement of photocatalytic and photoelectrocatalytic activity of Ag modified Mpg-C 3 N 4 composites. Applied Surface Science, 2017, 391, 423-431.	3.1	61
34	Significantly enhanced performance of g-C3N4/Bi2MoO6 films for photocatalytic degradation of pollutants under visible-light irradiation. Chemical Research in Chinese Universities, 2016, 32, 284-290.	1.3	12
35	Study on the mechanism of the photodegradation of methylene blue on Bi2MoO6/BiPO4 catalysts: different molar ratios and pH values. Reaction Kinetics, Mechanisms and Catalysis, 2016, 118, 425-437.	0.8	8
36	Enhanced Photocatalytic Activity of BiOCl Hybridized with g-C3N4. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 91-99.	1.9	19

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37	g-C3N4/ZnWO4 films: Preparation and its enhanced photocatalytic decomposition of phenol in UV. Applied Surface Science, 2015, 358, 328-335.	3.1	36
38	Sonochemical synthesis of Zn3V2O7(OH)2(H2O)2 and g-C3N4/Zn3V2O7(OH)2(H2O)2 with high photocatalytic activities. Journal of Molecular Catalysis A, 2015, 401, 41-47.	4.8	26
39	Enhancement of Visible Light Photocatalytic Activities via Flower Structure of g-C3N4. Energy and Environment Focus, 2015, 4, 133-138.	0.3	0
40	Enhanced Photocatalytic Performance of Oriented ZnWO₄ Nanorods via Graphene Hybridization. Key Engineering Materials, 2014, 602-603, 970-974.	0.4	1
41	Photocatalytic Enhancement in Methylene Blue Degradation of TiO₂ Photocatalysts via Graphene Hybridization. Key Engineering Materials, 2012, 512-515, 1677-1681.	0.4	2
42	Significant photocatalytic enhancement in methylene blue degradation of Bi2WO6 photocatalysts via graphene hybridization. Journal of Advanced Ceramics, 2012, 1, 72-78.	8.9	29
43	Zn3V2O7(OH)2(H2O)2 and Zn3V2O8 nanostructures: controlled fabrication and photocatalytic performance. Journal of Materials Chemistry, 2011, 21, 6313.	6.7	67
44	Significant enhancement of the visible photocatalytic degradation performances of Î³-Bi2MoO6 nanoplate by graphene hybridization. Journal of Molecular Catalysis A, 2011, 340, 77-82.	4.8	110
45	Crystallization Kinetics of Li⁺-Doped TiO₂ Films Prepared by Sol-Gel Dip Coating. Advanced Materials Research, 2010, 105-106, 750-753.	0.3	1
46	Study on the Tribological Properties of Low-Power Plasma-Sprayed Al-Cu-Cr Quasicrystalline Coating. Materials Science Forum, 2009, 610-613, 641-646.	0.3	2
47	Alâ€“Cuâ€“Cr quasicrystalline coatings prepared by low power plasma spraying. Surface and Coatings Technology, 2008, 202, 4964-4970.	2.2	8
48	Properties of Al₂O₃-TiO₂ Coating Prepared by Plasma Spraying with an Internally-Fed Powder System. Key Engineering Materials, 2008, 368-372, 1274-1276.	0.4	0
49	Crystallization of Cordierite-Based Glass-Ceramics Adding with Fe₂O₃-TiO₂. Key Engineering Materials, 2007, 336-338, 1856-1858.	0.4	1
50	Preparation of SiO₂-TiO₂ Films of High Photo-Catalytic Activity in the Electric Field Heating-Treatment. Key Engineering Materials, 2007, 336-338, 1865-1867.	0.4	0
51	Phase transformations of Li2Oâ€“Al2O3â€“SiO2 glasses with CeO2 addition. Ceramics International, 2005, 31, 11-14.	2.3	59
52	Microstructure and mechanical properties of MgOâ€“Al2O3â€“SiO2â€“TiO2 glassâ€“ceramics. Materials Research Bulletin, 2005, 40, 499-506.	2.7	41
53	Production and properties of cordierite-based glass-ceramics from gold tailings. Minerals Engineering, 2005, 18, 635-637.	1.8	30
54	Study on the Cracking of SiO₂-TiO₂ Films Prepared by Sol-Gel Method. Materials Science Forum, 2005, 475-479, 1227-1230.	0.3	4

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55	Crystallization and Mechanical Properties of Spodumene-Diopside Glass Ceramics. Key Engineering Materials, 2005, 280-283, 1639-1642.	0.4	0
56	Micro-Morphology of Crystal Separated from Glass by the Heat-Treatment with an Electric Field. Key Engineering Materials, 2005, 280-283, 1647-1650.	0.4	0
57	Nucleation and Crystallization of Glass-Ceramics from Coal Fly Ash. Key Engineering Materials, 2005, 280-283, 1651-1654.	0.4	1
58	Crystallization and Thermal Expansion of MgO-Al₂O₃-SiO₂-TiO₂ Glass-Ceramics. Key Engineering Materials, 2005, 280-283, 1635-1638.	0.4	0
59	Preparation of Li⁺-Doped TiO₂ Films by Sol-Gel Process. Key Engineering Materials, 2005, 280-283, 805-808.	0.4	0
60	Phase Separation of Gold Microcrystals in Glass with an Electric Field. Journal of Materials Research, 2004, 19, 1024-1028.	1.2	2
61	Effect of nucleating agents on the crystallization of Li2O-Al2O3-SiO2 system glass. Journal of Thermal Analysis and Calorimetry, 2004, 78, 991-997.	2.0	19
62	Crystallization behavior of Li+-doped SiO2â€“TiO2 films prepared by solâ€“gel dip coating. Journal of Crystal Growth, 2004, 264, 297-301.	0.7	17
63	Characterization of cordierite-based glass-ceramics produced from fly ash. Journal of Non-Crystalline Solids, 2004, 337, 157-160.	1.5	39