Liang Hao

List of Publications by Year
in descending order

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53	562	686830 13	713013 21
papers	citations	h-index	g-index

53	53	53	529
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flexible TiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e308" altimg="si32.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math> nanograss array film decorated with oxygen vacancies introduced by facile chemical reduction and their photocatalytic activity. Environmental Technology and Innovation, 2022, 25, 102185.	3.0	4
2	Understanding the role of potassium incorporation in realizing transparent p-type ZnO thin films. Journal of Alloys and Compounds, 2022, 904, 164070.	2.8	3
3	Flexible TiO2 nanograss array film decorated with BiOI nanoflakes and its greatly boosted photocatalytic activity. Ceramics International, 2021, 47, 7845-7852.	2.3	12
4	Preparation and thermoelectric properties of CuAlO2 compacts by tape casting followed by SPS. Journal of Alloys and Compounds, 2021, 853, 157086.	2.8	13
5	Significantly enhanced photocatalytic activity of TiO2/TiC coatings under visible light. Journal of Solid State Electrochemistry, 2021, 25, 603-609.	1.2	1
6	Enhanced photocatalytic activity and stability of TiO2/graphene oxide composites coatings by electrophoresis deposition. Materials Letters, 2021, 286, 129258.	1.3	14
7	Facile preparation of anodized MoO3â˜x films and their boosted photocatalytic activity. Journal of Environmental Chemical Engineering, 2021, 9, 105565.	3.3	9
8	Comparative study of MoS2/MoO3, g-C3N4/MoO3 heterojunction films and their improved photocatalytic activity. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	5
9	Enhancement of the photocatalytic activity of N-doped TiO2 nanograss array films by low-temperature sulfur doping. Materials Science in Semiconductor Processing, 2020, 108, 104872.	1.9	7
10	A simple and effective approach to fabricate transparent p-n homojunction KZO/ZnO thin films. Materials Letters, 2020, 276, 128163.	1.3	5
11	Influence of sulfuric-acid-bath pretreatment and soaked in sulfuric acid on surface morphology and photocatalytic activity of titania coatings. Science China Technological Sciences, 2020, 63, 2657-2663.	2.0	0
12	Effect of minor graphene doping on the microstructure and superconductivity of FeSe. Journal of Materials Science: Materials in Electronics, 2020, 31, 15336-15344.	1.1	5
13	Enhanced photocatalytic activity of titania coatings fabricated at relatively low oxidation temperature with sulfate-acid-bath pretreatment. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	1
14	Effect of Ni doping on microstructure and superconductivity of MgB2 prepared by C - coated B powder. Physica C: Superconductivity and Its Applications, 2019, 566, 1353540.	0.6	7
15	Low-temperature S-doping on N-doped TiO2 films and remarkable enhancement on visible-light performance. Materials Research Bulletin, 2019, 120, 110594.	2.7	17
16	Enhanced photocatalytic activity of potassium-doped titania photocatalyst films with nanosheet structure. Materials Letters, 2019, 242, 174-178.	1.3	11
17	Fabrication and characterization of environmental purification unit using photo-catalytic balls with heterojunction. Journal of Water Process Engineering, 2019, 31, 100858.	2.6	5
18	Analysis of the co-doping effect of graphene and nano-Ni on grain connectivity and critical current density in MgB2 superconductors. Journal of Materials Science: Materials in Electronics, 2019, 30, 9888-9896.	1.1	2

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19	Synergetic improvement strategy on thermoelectric performance of CuAlO2 compacts. Ceramics International, 2019, 45, 5486-5490.	2.3	5
20	Multiple charge carrier transfer pathways in BiOBr/Bi2O3/BiO0.67F1.66 ternary composite with high adsorption and photocatalytic performance. Journal of Alloys and Compounds, 2019, 778, 924-932.	2.8	12
21	Oxygen vacancies in TiO2/SnO coatings prepared by ball milling followed by calcination and their influence on the photocatalytic activity. Applied Surface Science, 2019, 466, 490-497.	3.1	24
22	Solar-responsive photocatalytic activity of amorphous TiO2 nanotube-array films. Materials Science in Semiconductor Processing, 2019, 89, 161-169.	1.9	17
23	Ultrasonic-assisted in-situ fabrication of BiOBr modified Bi2O2CO3 microstructure with enhanced photocatalytic performance. Ultrasonics Sonochemistry, 2018, 44, 137-145.	3.8	32
24	Constructing novel Bi2SiO5â€“Bi2O3 hybrid loaded sepiolite with enhanced visible light photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2018, 29, 6316-6322.	1.1	7
25	Visible-light-driven oxygen vacancies and Ti 3+ co-doped TiO 2 coatings prepared by mechanical coating and carbon reduction. Materials Research Bulletin, 2018, 97, 13-18.	2.7	47
26	Composition and Structure Evolution of Bi2O3 Coatings as Efficient Photocatalysts. Coatings, 2018, 8, 14.	1.2	4
27	C, N co-doped TiO 2 /TiC 0.7 N 0.3 composite coatings prepared from TiC 0.7 N 0.3 powder using ball milling followed by oxidation. Applied Surface Science, 2017, 391, 275-281.	3.1	4
28	Preparation of visible-light-responsive TiO 2 coatings using molten KNO 3 treatment and their photocatalytic activity. Applied Surface Science, 2017, 407, 276-281.	3.1	12
29	Black composites photocatalyst coatings of K 2 Ti 6 O 13 -TiO 2 /TiC with nano-sheet flower-like structure by heat treatment in molten salt. Materials Letters, 2017, 188, 55-58.	1.3	8
30	CuAlO2 thermoelectric compacts by SPS and thermoelectric performance improvement by orientation control. Ceramics International, 2017, 43, 12154-12161.	2.3	11
31	MagnÃ¨li phase Ti O2-1 bulks prepared by SPS followed by carbon reduction and their thermoelectric performance. Journal of Alloys and Compounds, 2017, 722, 846-851.	2.8	16
32	Easily recycled Bi2O3 photocatalyst coatings prepared via ball milling followed by calcination. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	7
33	Fabrication and Characterization of Photocatalyst Coatings by Heat Treatment in Carbon Powder for TiC Coatings. Solid State Phenomena, 2017, 263, 137-141.	0.3	0
34	Preparation of Metal Coatings on Steel Balls Using Mechanical Coating Technique and Its Process Analysis. Coatings, 2017, 7, 53.	1.2	2
35	A safe and efficient approach to fabricate black carbon-doped rutile titania by substitution of oxygen at carbon sites in titanium carbide film. Materials Express, 2017, 7, 509-515.	0.2	3
36	Surface topography evolution of TiO2/SnO2 coatings during thermal oxidation of Ti/Sn composite coatings. Surface and Coatings Technology, 2016, 291, 325-333.	2.2	3

#	Article	IF	Citations
37	Fabrication and characterization of photocatalyst composite coatings of TiO2/TiC-Ti using Ti and TiC powders. Surface and Coatings Technology, 2016, 307, 627-632.	2.2	6
38	Influence of carbon atmosphere on surface morphology and photocatalytic activity of TiO2 coatings by multi-heat treatment. Journal of Materials Science: Materials in Electronics, 2016, 27, 3873-3879.	1.1	3
39	Influence of heat treatment process on photocatalytic activity of photocatalyst TiO2/TiCxOy coatings during heat treatment in carbon powder. Journal of Materials Science: Materials in Electronics, 2016, 27, 10399-10404.	1.1	5
40	Enhanced photocatalytic activity of photocatalyst coatings by heat treatment in carbon atmosphere. Materials Letters, 2016, 167, 43-46.	1.3	17
41	Fabrication of oxygen-deficient TiO 2 coatings with nano-fiber morphology for visible-light photocatalysis. Materials Science in Semiconductor Processing, 2016, 41, 358-363.	1.9	33
42	Review on the Photocatalyst Coatings of TiO2: Fabrication by Mechanical Coating Technique and Its Application. Coatings, 2015, 5, 425-464.	1.2	22
43	Fabrication of Photocatalyst Composite Coatings of Cr-TiO2 by Mechanical Coating Technique and Oxidation Process. Coatings, 2015, 5, 545-556.	1.2	1
44	Influence of oxidation process on photocatalytic activity of photocatalyst coatings by mechanical coating technique. Materials Science in Semiconductor Processing, 2015, 30, 128-134.	1.9	17
45	Titanium dioxideâ€“nickel oxide composite coatings: Preparation by mechanical coating/thermal oxidation and photocatalytic activity. Materials Science in Semiconductor Processing, 2014, 24, 138-145.	1.9	9
46	Influence of Metal Properties on the Formation and Evolution of Metal Coatings During Mechanical Coating. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 2717-2724.	1.1	10
47	Photocatalytic activity of TiO2/Ti composite coatings fabricated by mechanical coating technique and subsequent heat oxidation. Materials Science in Semiconductor Processing, 2013, 16, 1949-1956.	1.9	14
48	Analysis on energy transfer during mechanical coating and ball millingâ€”Supported by electric power measurement in planetary ball mill. International Journal of Mineral Processing, 2013, 121, 51-58.	2.6	22
49	Fabrication and Evaluation of Visible Light Active TiO2 Photocatalyst by Molten Salt Method. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2013, 77, 287-293.	0.2	5
50	Fabrication of zinc coatings on alumina balls from zinc powder by mechanical coating technique and the process analysis. Powder Technology, 2012, 228, 377-384.	2.1	24
51	The influence of the processing parameters on the formation of iron thin films on alumina balls by mechanical coating technique. Journal of Materials Processing Technology, 2012, 212, 1169-1176.	3.1	27
52	Formation of TiO₂/Ti Composite Photocatalyst Film by 2-Step Mechanical Coating Technique. Materials Science Forum, 2011, 675-677, 1229-1232.	0.3	12
53	Evaluation and Suppression of <i>Microcystis aeruginosa</i> by Photocatalyst Coatings with Visible Light Photocatalytic Activity. Solid State Phenomena, 0, 263, 148-151.	0.3	0