

Liang Hao

List of Publications by Year in descending order

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53
papers

562
citations

686830

13
h-index

713013

21
g-index

53
all docs

53
docs citations

53
times ranked

529
citing authors

#	ARTICLE	IF	CITATIONS
1	Visible-light-driven oxygen vacancies and Ti ³⁺ co-doped TiO ₂ coatings prepared by mechanical coating and carbon reduction. <i>Materials Research Bulletin</i> , 2018, 97, 13-18.	2.7	47
2	Fabrication of oxygen-deficient TiO ₂ coatings with nano-fiber morphology for visible-light photocatalysis. <i>Materials Science in Semiconductor Processing</i> , 2016, 41, 358-363.	1.9	33
3	Ultrasonic-assisted in-situ fabrication of BiOBr modified Bi ₂ O ₂ CO ₃ microstructure with enhanced photocatalytic performance. <i>Ultrasonics Sonochemistry</i> , 2018, 44, 137-145.	3.8	32
4	The influence of the processing parameters on the formation of iron thin films on alumina balls by mechanical coating technique. <i>Journal of Materials Processing Technology</i> , 2012, 212, 1169-1176.	3.1	27
5	Fabrication of zinc coatings on alumina balls from zinc powder by mechanical coating technique and the process analysis. <i>Powder Technology</i> , 2012, 228, 377-384.	2.1	24
6	Oxygen vacancies in TiO ₂ /SnO coatings prepared by ball milling followed by calcination and their influence on the photocatalytic activity. <i>Applied Surface Science</i> , 2019, 466, 490-497.	3.1	24
7	Analysis on energy transfer during mechanical coating and ball milling—Supported by electric power measurement in planetary ball mill. <i>International Journal of Mineral Processing</i> , 2013, 121, 51-58.	2.6	22
8	Review on the Photocatalyst Coatings of TiO ₂ : Fabrication by Mechanical Coating Technique and Its Application. <i>Coatings</i> , 2015, 5, 425-464.	1.2	22
9	Influence of oxidation process on photocatalytic activity of photocatalyst coatings by mechanical coating technique. <i>Materials Science in Semiconductor Processing</i> , 2015, 30, 128-134.	1.9	17
10	Enhanced photocatalytic activity of photocatalyst coatings by heat treatment in carbon atmosphere. <i>Materials Letters</i> , 2016, 167, 43-46.	1.3	17
11	Low-temperature S-doping on N-doped TiO ₂ films and remarkable enhancement on visible-light performance. <i>Materials Research Bulletin</i> , 2019, 120, 110594.	2.7	17
12	Solar-responsive photocatalytic activity of amorphous TiO ₂ nanotube-array films. <i>Materials Science in Semiconductor Processing</i> , 2019, 89, 161-169.	1.9	17
13	Magnéli phase TiO _{2-x} bulks prepared by SPS followed by carbon reduction and their thermoelectric performance. <i>Journal of Alloys and Compounds</i> , 2017, 722, 846-851.	2.8	16
14	Photocatalytic activity of TiO ₂ /Ti composite coatings fabricated by mechanical coating technique and subsequent heat oxidation. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 1949-1956.	1.9	14
15	Enhanced photocatalytic activity and stability of TiO ₂ /graphene oxide composites coatings by electrophoresis deposition. <i>Materials Letters</i> , 2021, 286, 129258.	1.3	14
16	Preparation and thermoelectric properties of CuAlO ₂ compacts by tape casting followed by SPS. <i>Journal of Alloys and Compounds</i> , 2021, 853, 157086.	2.8	13
17	Formation of TiO ₂ /Ti Composite Photocatalyst Film by 2-Step Mechanical Coating Technique. <i>Materials Science Forum</i> , 2011, 675-677, 1229-1232.	0.3	12
18	Preparation of visible-light-responsive TiO ₂ coatings using molten KNO ₃ treatment and their photocatalytic activity. <i>Applied Surface Science</i> , 2017, 407, 276-281.	3.1	12

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19	Multiple charge carrier transfer pathways in BiOBr/Bi ₂ O ₃ /BiOO.67F1.66 ternary composite with high adsorption and photocatalytic performance. <i>Journal of Alloys and Compounds</i> , 2019, 778, 924-932.	2.8	12
20	Flexible TiO ₂ nanograin array film decorated with BiOI nanoflakes and its greatly boosted photocatalytic activity. <i>Ceramics International</i> , 2021, 47, 7845-7852.	2.3	12
21	CuAlO ₂ thermoelectric compacts by SPS and thermoelectric performance improvement by orientation control. <i>Ceramics International</i> , 2017, 43, 12154-12161.	2.3	11
22	Enhanced photocatalytic activity of potassium-doped titania photocatalyst films with nanosheet structure. <i>Materials Letters</i> , 2019, 242, 174-178.	1.3	11
23	Influence of Metal Properties on the Formation and Evolution of Metal Coatings During Mechanical Coating. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013, 44, 2717-2724.	1.1	10
24	Titanium dioxide-nickel oxide composite coatings: Preparation by mechanical coating/thermal oxidation and photocatalytic activity. <i>Materials Science in Semiconductor Processing</i> , 2014, 24, 138-145.	1.9	9
25	Facile preparation of anodized MoO ₃ ·x films and their boosted photocatalytic activity. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105565.	3.3	9
26	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. <i>Materials Letters</i> , 2017, 188, 55-58.	1.3	8
27	Easily recycled Bi ₂ O ₃ photocatalyst coatings prepared via ball milling followed by calcination. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	7
28	Constructing novel Bi ₂ SiO ₅ -Bi ₂ O ₃ hybrid loaded sepiolite with enhanced visible light photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 6316-6322.	1.1	7
29	Effect of Ni doping on microstructure and superconductivity of MgB ₂ prepared by C-coated B powder. <i>Physica C: Superconductivity and Its Applications</i> , 2019, 566, 1353540.	0.6	7
30	Enhancement of the photocatalytic activity of N-doped TiO ₂ nanograin array films by low-temperature sulfur doping. <i>Materials Science in Semiconductor Processing</i> , 2020, 108, 104872.	1.9	7
31	Fabrication and characterization of photocatalyst composite coatings of TiO ₂ /TiC-Ti using Ti and TiC powders. <i>Surface and Coatings Technology</i> , 2016, 307, 627-632.	2.2	6
32	Fabrication and Evaluation of Visible Light Active TiO ₂ Photocatalyst by Molten Salt Method. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2013, 77, 287-293.	0.2	5
33	Influence of heat treatment process on photocatalytic activity of photocatalyst TiO ₂ /TiC _x O _y coatings during heat treatment in carbon powder. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 10399-10404.	1.1	5
34	Fabrication and characterization of environmental purification unit using photo-catalytic balls with heterojunction. <i>Journal of Water Process Engineering</i> , 2019, 31, 100858.	2.6	5
35	Synergetic improvement strategy on thermoelectric performance of CuAlO ₂ compacts. <i>Ceramics International</i> , 2019, 45, 5486-5490.	2.3	5
36	A simple and effective approach to fabricate transparent p-n homojunction KZO/ZnO thin films. <i>Materials Letters</i> , 2020, 276, 128163.	1.3	5

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37	Effect of minor graphene doping on the microstructure and superconductivity of FeSe. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 15336-15344.	1.1	5
38	Comparative study of MoS ₂ /MoO ₃ , g-C ₃ N ₄ /MoO ₃ heterojunction films and their improved photocatalytic activity. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	5
39	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. <i>Applied Surface Science</i> , 2017, 391, 275-281.	3.1	4
40	Composition and Structure Evolution of Bi ₂ O ₃ Coatings as Efficient Photocatalysts. <i>Coatings</i> , 2018, 8, 14.	1.2	4
41	Flexible TiO ₂ nanograss array film decorated with oxygen vacancies introduced by facile chemical reduction and their photocatalytic activity. <i>Environmental Technology and Innovation</i> , 2022, 25, 102185.	3.0	4
42	Surface topography evolution of TiO ₂ /SnO ₂ coatings during thermal oxidation of Ti/Sn composite coatings. <i>Surface and Coatings Technology</i> , 2016, 291, 325-333.	2.2	3
43	Influence of carbon atmosphere on surface morphology and photocatalytic activity of TiO ₂ coatings by multi-heat treatment. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 3873-3879.	1.1	3
44	A safe and efficient approach to fabricate black carbon-doped rutile titania by substitution of oxygen at carbon sites in titanium carbide film. <i>Materials Express</i> , 2017, 7, 509-515.	0.2	3
45	Understanding the role of potassium incorporation in realizing transparent p-type ZnO thin films. <i>Journal of Alloys and Compounds</i> , 2022, 904, 164070.	2.8	3
46	Preparation of Metal Coatings on Steel Balls Using Mechanical Coating Technique and Its Process Analysis. <i>Coatings</i> , 2017, 7, 53.	1.2	2
47	Analysis of the co-doping effect of graphene and nano-Ni on grain connectivity and critical current density in MgB ₂ superconductors. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 9888-9896.	1.1	2
48	Fabrication of Photocatalyst Composite Coatings of Cr-TiO ₂ by Mechanical Coating Technique and Oxidation Process. <i>Coatings</i> , 2015, 5, 545-556.	1.2	1
49	Enhanced photocatalytic activity of titania coatings fabricated at relatively low oxidation temperature with sulfate-acid-bath pretreatment. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	1
50	Significantly enhanced photocatalytic activity of TiO ₂ /TiC coatings under visible light. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 603-609.	1.2	1
51	Evaluation and Suppression of <i>Microcystis aeruginosa</i> by Photocatalyst Coatings with Visible Light Photocatalytic Activity. <i>Solid State Phenomena</i> , 0, 263, 148-151.	0.3	0
52	Fabrication and Characterization of Photocatalyst Coatings by Heat Treatment in Carbon Powder for TiC Coatings. <i>Solid State Phenomena</i> , 2017, 263, 137-141.	0.3	0
53	Influence of sulfuric-acid-bath pretreatment and soaked in sulfuric acid on surface morphology and photocatalytic activity of titania coatings. <i>Science China Technological Sciences</i> , 2020, 63, 2657-2663.	2.0	0