

# Dongyan Ding

## List of Publications by Year in descending order

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65  
papers

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394421  
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times ranked

1375  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of La Addition on Microstructure and Properties of Al-0.2Fe-0.06Cu Alloy. <i>Metals</i> , 2022, 12, 211.	2.3	1
2	Photoelectrochemical hydrogen generation with nanostructured CdS/TiO <sub>2</sub> -NiO composite photoanode. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 18357-18369.	7.1	4
3	Effect of La Addition on the Microstructure and Properties of Al-Fe-Mn Alloys for Lithium Battery Current Collectors. <i>Journal of Electronic Materials</i> , 2021, 50, 1032-1043.	2.2	2
4	Microstructure of Al-5Cu-1Li-0.6Mg-0.5Ag-0.5Mn Alloys. <i>Metals</i> , 2021, 11, 37.	2.3	6
5	Photoelectrochemical water splitting with black Ni/Si-doped TiO <sub>2</sub> nanostructures. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 20983-20992.	7.1	23
6	Enhanced Photoelectrochemical Water Splitting Performance of Ni/Si-doped TiO <sub>2</sub> Photoanode Fabricated through Electrochemical Reduction in Aqueous Solutions. <i>Journal of the Electrochemical Society</i> , 2020, 167, 066514.	2.9	4
7	Al-Fe-Si-La Alloys for Current Collectors of Positive Electrodes in Lithium Ion Batteries. <i>Metals</i> , 2020, 10, 109.	2.3	2
8	High-efficiency photoelectrochemical water splitting with heterojunction photoanode of In <sub>2</sub> O <sub>3</sub> -x nanorods/black TiO <sub>2</sub> -SiO <sub>2</sub> nanotubes. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 17611-17621.	7.1	20
9	Tensile Properties and Corrosion Resistance of Al-xFe-La Alloys for Aluminium Current Collector of Lithium-Ion Batteries. <i>Metals</i> , 2019, 9, 706.	2.3	3
10	Effect of Si Addition on Mechanical and Electrochemical Properties of Al-Fe-Cu-La Alloy for Current Collector of Lithium Battery. <i>Metals</i> , 2019, 9, 1072.	2.3	4
11	Surface-reduced Si-doped TiO <sub>2</sub> nanotubes for high-efficiency photoelectrochemical water splitting. <i>Functional Materials Letters</i> , 2019, 12, 1940004.	1.2	2
12	Anodic Fabrication of Ti-Ni-Si-O Nanostructures on Ti <sub>10</sub> Ni <sub>5</sub> Si Alloy. <i>Materials</i> , 2019, 12, 1315.	2.9	5
13	Facile preparation of Ti <sub>3+</sub> /Ni co-doped TiO <sub>2</sub> nanotubes photoanode for efficient photoelectrochemical water splitting. <i>Applied Surface Science</i> , 2019, 480, 219-228.	6.1	58
14	Ni/Si-Codoped TiO <sub>2</sub> Nanostructure Photoanode for Enhanced Photoelectrochemical Water Splitting. <i>Materials</i> , 2019, 12, 4102.	2.9	11
15	Ni-doped TiO <sub>2</sub> nanotubes photoanode for enhanced photoelectrochemical water splitting. <i>Applied Surface Science</i> , 2018, 443, 321-328.	6.1	133
16	Black Si-doped TiO <sub>2</sub> nanotube photoanode for high-efficiency photoelectrochemical water splitting. <i>RSC Advances</i> , 2018, 8, 5652-5660.	3.6	48
17	Effect of CeLa addition on the mechanical properties of Al-Cu-Mn-Mg-Fe alloy. <i>Materials Science and Technology</i> , 2018, 34, 917-925.	1.6	3
18	Facile fabrication of Si-doped TiO <sub>2</sub> nanotubes photoanode for enhanced photoelectrochemical hydrogen generation. <i>Applied Surface Science</i> , 2018, 436, 125-133.	6.1	22

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19	Al-1.5Fe-xLa Alloys for Lithium-Ion Battery Package. <i>Metals</i> , 2018, 8, 890.	2.3	5
20	Microstructure and Mechanical Properties of Mg <sub>2</sub> Si/AZ91 Composites In Situ Synthesized by Using Silica Fume as the Si Source. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 5300-5311.	2.5	6
21	Effect of Ce addition on the microstructure and properties of Al-Cu-Mn-Mg-Fe lithium battery shell alloy. <i>Materials Characterization</i> , 2018, 142, 252-260.	4.4	24
22	NaBH <sub>4</sub> reduction of Ti Si O nanotubes photoanode for high-efficiency photoelectrochemical water splitting. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 14183-14192.	7.1	16
23	Reflow of tiny 01005 capacitor/SAC305 solder joints in protective atmosphere. <i>Soldering and Surface Mount Technology</i> , 2017, 29, 144-150.	1.5	10
24	CeLa enhanced corrosion resistance of Al-Cu-Mn-Mg-Fe alloy for lithium battery shell. <i>Applied Surface Science</i> , 2017, 422, 221-227.	6.1	10
25	Effect of CeLa addition on the microstructures and mechanical properties of Al-Cu-Mn-Mg-Fe alloy. <i>Materials Characterization</i> , 2017, 123, 42-50.	4.4	18
26	Photoelectrochemical Water Splitting Properties of Ti-Ni-Si-O Nanostructures on Ti-Ni-Si Alloy. <i>Nanomaterials</i> , 2017, 7, 359.	4.1	7
27	Nonstoichiometric In <sub>2</sub> O <sub>3</sub> nanorods/black TiO <sub>2</sub> nanotubes heterojunction photoanode for high-efficiency photoelectrochemical water splitting. <i>Solar Energy Materials and Solar Cells</i> , 2016, 145, 382-390.	6.2	10
28	Influence of protective atmosphere on the solderability and reliability of OSP-based solder joints. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 4898-4907.	2.2	5
29	Double global optimum genetic algorithmâ€‘particle swarm optimization-based welding robot path planning. <i>Engineering Optimization</i> , 2016, 48, 299-316.	2.6	106
30	Influence of argon reflow on the microstructure and properties of lead-free solder joints. , 2015, , .		0
31	Cobalt-phosphate/Ni-doped TiO <sub>2</sub> nanotubes composite photoanodes for solar water oxidation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 202, 54-60.	3.5	21
32	Black Ni-doped TiO <sub>2</sub> photoanodes for high-efficiency photoelectrochemical water-splitting. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 2107-2114.	7.1	84
33	Î±-Fe <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> -NbO <sub>2</sub> -ZrO <sub>2</sub> composite photoanode for enhanced photoelectrochemical water splitting. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 196, 15-22.	3.5	14
34	Tin whisker growth on electroplated Sn multilayers. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 6411-6418.	2.2	3
35	Reduced N/Ni-doped TiO <sub>2</sub> nanotubes photoanodes for photoelectrochemical water splitting. <i>RSC Advances</i> , 2015, 5, 95478-95487.	3.6	25
36	Effect of Ce addition on the mechanical and electrochemical properties of a lithium battery shell alloy. <i>Journal of Alloys and Compounds</i> , 2014, 617, 665-669.	5.5	20

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37	Anodic Fabrication of Ti-Ni-O Nanotube Arrays on Shape Memory Alloy. Materials, 2014, 7, 3262-3273.	2.9	20
38	Anodic Fabrication of Ti-Nb-Zr-O Nanotube Arrays. Journal of Nanomaterials, 2014, 2014, 1-7.	2.7	3
39	Ni-doped TiO <sub>2</sub> nanotubes for wide-range hydrogen sensing. Nanoscale Research Letters, 2014, 9, 118.	5.7	57
40	A monotonic loading approach for determining residual stresses of fiber reinforced metal matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 616, 29-34.	5.6	4
41	p-Type hydrogen sensing with Al- and V-doped TiO <sub>2</sub> nanostructures. Nanoscale Research Letters, 2013, 8, 25.	5.7	27
42	Hydrogen Sensing with Ni-Doped TiO <sub>2</sub> Nanotubes. Sensors, 2013, 13, 8393-8402.	3.8	54
43	Biological Properties of Ti-Nb-Zr-O Nanostructures Grown on Ti35Nb5Zr Alloy. Journal of Nanomaterials, 2012, 2012, 1-7.	2.7	7
44	Microstructure and mechanical properties of lead-free PV ribbon. , 2012, , .		0
45	Ni Barrier-Induced Cracks in Matte Sn Films. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2012, 2, 731-738.	2.5	3
46	Ni barrier for tin whisker mitigation. , 2012, , .		0
47	Wide-range hydrogen sensing with Nb-doped TiO <sub>2</sub> nanotubes. Nanotechnology, 2012, 23, 015502.	2.6	52
48	Tensile Properties of PV Ribbons with Sn-Pb Coatings. , 2011, , .		0
49	Electrodeposition of Co-Ni nanostructures. , 2011, , .		0
50	Electroless and eletroplating copper on liquid crystal polymer (LCP) for high frequency applications. , 2011, , .		1
51	Tin whisker formation on electroless tin films deposited on lead-frame alloys. , 2011, , .		1
52	Effect of deposit microstructure on the reflow discoloration of electroplating pure tin. , 2011, , .		0
53	Influence of reflow atmosphere on SAC305 solder joints. , 2011, , .		2
54	Influence of Niâ€‘P coating on fatigue life of an Al <sub>2</sub> O <sub>3</sub> /Al composite wire. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 7109-7114.	5.6	6

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55	Anodic growth of uniform nanotube arrays on biphasic Ti35Nb5Zr alloy. Electrochemistry Communications, 2010, 12, 152-155.	4.7	8
56	Effect of Ni barrier on the tin whisker formation of electroplating Sn on lead-frame alloy. , 2010, , .		2
57	Fabrication and hydrogen sensing properties of doped titania nanotubes. , 2010, , .		0
58	Anodic fabrication and bioactivity of Nb-doped TiO <sub>2</sub> nanotubes. Nanotechnology, 2009, 20, 305103.	2.6	43
59	Fabrication and hydrogen sensing properties of Titania nanotubes. , 2009, , .		4
60	Thermal stability and in vitro bioactivity of Ti-Al-O nanostructures fabricated on Ti6Al4V alloy. Nanotechnology, 2009, 20, 065708.	2.6	21
61	Microstructural characterization of electroplating Sn on lead-frame alloys. , 2009, , .		1
62	Titania nanostructures fabricated through anodization of Ti6Al4V alloy. , 2008, , .		0
63	Electrodeposition of palladium films on Ni-Co coatings. , 2008, , .		0
64	Electrodeposition of Palladium Film on Electroless Ni-P Coatings Supported by Si Substrate. , 2007, , .		0
65	Hydrogen sensing of nanoporous palladium films supported by anodic aluminum oxides. Sensors and Actuators B: Chemical, 2006, 120, 182-186.	7.8	54