

# Sheng-Li Zhu

## List of Publications by Year in descending order

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364  
papers

16,024  
citations

13068

68  
h-index

29081

104  
g-index

366  
all docs

366  
docs citations

366  
times ranked

13554  
citing authors

#	ARTICLE	IF	CITATIONS
1	Amorphous Metallic NiFeP: A Conductive Bulk Material Achieving High Activity for Oxygen Evolution Reaction in Both Alkaline and Acidic Media. <i>Advanced Materials</i> , 2017, 29, 1606570.	11.1	441
2	Rapid Biofilm Eradication on Bone Implants Using Red Phosphorus and Near-Infrared Light. <i>Advanced Materials</i> , 2018, 30, e1801808.	11.1	364
3	Zinc-doped Prussian blue enhances photothermal clearance of <i>Staphylococcus aureus</i> and promotes tissue repair in infected wounds. <i>Nature Communications</i> , 2019, 10, 4490.	5.8	306
4	Repeatable Photodynamic Therapy with Triggered Signaling Pathways of Fibroblast Cell Proliferation and Differentiation To Promote Bacteria-Accompanied Wound Healing. <i>ACS Nano</i> , 2018, 12, 1747-1759.	7.3	303
5	Interfacial engineering of Bi <sub>2</sub> S <sub>3</sub> /Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene based on work function for rapid photo-excited bacteria-killing. <i>Nature Communications</i> , 2021, 12, 1224.	5.8	283
6	The recent progress on metal-organic frameworks for phototherapy. <i>Chemical Society Reviews</i> , 2021, 50, 5086-5125.	18.7	262
7	Enhanced photocatalytic activity and photothermal effects of Cu-doped metal-organic frameworks for rapid treatment of bacteria-infected wounds. <i>Applied Catalysis B: Environmental</i> , 2020, 261, 118248.	10.8	255
8	Tuning the Bandgap of Photo-Sensitive Polydopamine/Ag <sub>3</sub> PO <sub>4</sub> /Graphene Oxide Coating for Rapid, Noninvasive Disinfection of Implants. <i>ACS Central Science</i> , 2018, 4, 724-738.	5.3	227
9	Highly Effective and Noninvasive Near-Infrared Eradication of a <i>Staphylococcus aureus</i> Biofilm on Implants by a Photoresponsive Coating within 20 Min. <i>Advanced Science</i> , 2019, 6, 1900599.	5.6	212
10	Nanoporous Palladium Hydride for Electrocatalytic N <sub>2</sub> Reduction under Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3511-3516.	7.2	182
11	Rapid Photo-Sonotherapy for Clinical Treatment of Bacterial Infected Bone Implants by Creating Oxygen Deficiency Using Sulfur Doping. <i>ACS Nano</i> , 2020, 14, 2077-2089.	7.3	182
12	Controlled-temperature photothermal and oxidative bacteria killing and acceleration of wound healing by polydopamine-assisted Au-hydroxyapatite nanorods. <i>Acta Biomaterialia</i> , 2018, 77, 352-364.	4.1	180
13	Rapid and Superior Bacteria Killing of Carbon Quantum Dots/ZnO Decorated Injectable Folic Acid-Conjugated PDA Hydrogel through Dual-Light Triggered ROS and Membrane Permeability. <i>Small</i> , 2019, 15, e1900322.	5.2	180
14	A new Ti-based bulk glassy alloy with potential for biomedical application. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 459, 233-237.	2.6	172
15	Treatment of MRSA-infected osteomyelitis using bacterial capturing, magnetically targeted composites with microwave-assisted bacterial killing. <i>Nature Communications</i> , 2020, 11, 4446.	5.8	165
16	2D MOF Periodontitis Photodynamic Ion Therapy. <i>Journal of the American Chemical Society</i> , 2021, 143, 15427-15439.	6.6	161
17	Study on corrosion properties of pipelines in simulated produced water saturated with supercritical CO <sub>2</sub> . <i>Applied Surface Science</i> , 2006, 252, 2368-2374.	3.1	154
18	Local Photothermal/Photodynamic Synergistic Therapy by Disrupting Bacterial Membrane To Accelerate Reactive Oxygen Species Permeation and Protein Leakage. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 17902-17914.	4.0	149

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19	Single-Atom Catalysis for Efficient Sonodynamic Therapy of Methicillin-Resistant <i>Staphylococcus aureus</i> -Infected Osteomyelitis. <i>ACS Nano</i> , 2021, 15, 10628-10639.	7.3	144
20	Rapid bacteria trapping and killing of metal-organic frameworks strengthened photo-responsive hydrogel for rapid tissue repair of bacterial infected wounds. <i>Chemical Engineering Journal</i> , 2020, 396, 125194.	6.6	142
21	Eradicating Multidrug-Resistant Bacteria Rapidly Using a Multi Functional $\text{C}_3\text{N}_4 @ \text{Bi}_2\text{S}_3$ Nanorod Heterojunction with or without Antibiotics. <i>Advanced Functional Materials</i> , 2019, 29, 1900946.	7.8	136
22	Near-Infrared Light Triggered Phototherapy and Immunotherapy for Elimination of Methicillin-Resistant <i>Staphylococcus aureus</i> Biofilm Infection on Bone Implant. <i>ACS Nano</i> , 2020, 14, 8157-8170.	7.3	133
23	Synthesis of $\text{Cu}_2\text{O}$ Octadecahedron/ $\text{TiO}_2$ Quantum Dot Heterojunctions with High Visible Light Photocatalytic Activity and High Stability. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 91-101.	4.0	132
24	Glass-forming ability and mechanical properties of Ti-based bulk glassy alloys with large diameters of up to 1cm. <i>Intermetallics</i> , 2008, 16, 1031-1035.	1.8	129
25	Nano Ag/ZnO-Incorporated Hydroxyapatite Composite Coatings: Highly Effective Infection Prevention and Excellent Osteointegration. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 1266-1277.	4.0	127
26	Defect enhances photocatalytic activity of ultrathin $\text{TiO}_2$ (B) nanosheets for hydrogen production by plasma engraving method. <i>Applied Catalysis B: Environmental</i> , 2018, 230, 11-17.	10.8	125
27	The enhanced photocatalytic properties of $\text{MnO}_2/\text{g-C}_3\text{N}_4$ heterostructure for rapid sterilization under visible light. <i>Journal of Hazardous Materials</i> , 2019, 377, 227-236.	6.5	122
28	Silver nanoparticles supported on $\text{TiO}_2$ nanotubes as active catalysts for ethanol oxidation. <i>Journal of Catalysis</i> , 2011, 278, 276-287.	3.1	121
29	Nanoporous $\text{CuS}$ with excellent photocatalytic property. <i>Scientific Reports</i> , 2016, 5, 18125.	1.6	117
30	Incorporation of silver and strontium in hydroxyapatite coating on titanium surface for enhanced antibacterial and biological properties. <i>Materials Science and Engineering C</i> , 2017, 71, 852-861.	3.8	116
31	Visible light responsive $\text{CuS}/\text{protonated g-C}_3\text{N}_4$ heterostructure for rapid sterilization. <i>Journal of Hazardous Materials</i> , 2020, 393, 122423.	6.5	116
32	Design of a highly sensitive ethanol sensor using a nano-coaxial $\text{p-Co}_3\text{O}_4/\text{n-TiO}_2$ heterojunction synthesized at low temperature. <i>Nanoscale</i> , 2013, 5, 10916.	2.8	113
33	Stress-strain behavior of porous NiTi alloys prepared by powders sintering. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 408, 264-268.	2.6	108
34	Dual Metal-Organic Framework Heterointerface. <i>ACS Central Science</i> , 2019, 5, 1591-1601.	5.3	108
35	A nanoporous metal phosphide catalyst for bifunctional water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5574-5579.	5.2	106
36	$\text{Ni}_2\text{P}$ nanoflakes for the high-performing urea oxidation reaction: linking active sites to a UOR mechanism. <i>Nanoscale</i> , 2021, 13, 1759-1769.	2.8	106

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37	Antibacterial Hybrid Hydrogels. <i>Macromolecular Bioscience</i> , 2021, 21, e2000252.	2.1	105
38	Enhanced photocatalytic and photothermal properties of ecofriendly metal-organic framework heterojunction for rapid sterilization. <i>Chemical Engineering Journal</i> , 2021, 405, 126730.	6.6	104
39	Electronic Structure Modulation of Nanoporous Cobalt Phosphide by Carbon Doping for Alkaline Hydrogen Evolution Reaction. <i>Advanced Functional Materials</i> , 2021, 31, 2107333.	7.8	104
40	Characterization of the surface film formed from carbon dioxide corrosion on N80 steel. <i>Materials Letters</i> , 2004, 58, 1076-1081.	1.3	102
41	Synthesis of three-dimensionally ordered macroporous LaFeO <sub>3</sub> with enhanced methanol gas sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2015, 209, 706-713.	4.0	102
42	Photoresponsive Materials for Antibacterial Applications. <i>Cell Reports Physical Science</i> , 2020, 1, 100245.	2.8	102
43	Recent Progress in Photocatalytic Antibacterial. <i>ACS Applied Bio Materials</i> , 2021, 4, 3909-3936.	2.3	100
44	Ultrasonic Interfacial Engineering of Red Phosphorousâ€Metal for Eradicating MRSA Infection Effectively. <i>Advanced Materials</i> , 2021, 33, e2006047.	11.1	93
45	Study on the formation of an apatite layer on NiTi shape memory alloy using a chemical treatment method. <i>Surface and Coatings Technology</i> , 2003, 173, 229-234.	2.2	91
46	Strontium incorporation to optimize the antibacterial and biological characteristics of silver-substituted hydroxyapatite coating. <i>Materials Science and Engineering C</i> , 2016, 58, 467-477.	3.8	91
47	Photothermy-strengthened photocatalytic activity of polydopamine-modified metal-organic frameworks for rapid therapy of bacteria-infected wounds. <i>Journal of Materials Science and Technology</i> , 2021, 62, 83-95.	5.6	91
48	Self-supported Ni <sub>3</sub> Se <sub>2</sub> @NiFe layered double hydroxide bifunctional electrocatalyst for overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 79-89.	5.0	89
49	An Engineered Pseudoâ€Macrophage for Rapid Treatment of Bacteriaâ€Infected Osteomyelitis via Microwaveâ€Excited Antiâ€Infection and Immunoregulation. <i>Advanced Materials</i> , 2021, 33, e2102926.	11.1	87
50	Rapid and Highly Effective Noninvasive Disinfection by Hybrid Ag/CS@MnO <sub>2</sub> Nanosheets Using Near-Infrared Light. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 15014-15027.	4.0	86
51	Effect of Zr on super-elasticity and mechanical properties of Tiâ€24at% Nbâ€(0, 2, 4)at% Zr alloy subjected to aging treatment. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 536, 197-206.	2.6	85
52	Superimposed surface plasma resonance effect enhanced the near-infrared photocatalytic activity of Au@Bi <sub>2</sub> WO <sub>6</sub> coating for rapid bacterial killing. <i>Journal of Hazardous Materials</i> , 2019, 380, 120818.	6.5	85
53	Ag <sub>3</sub> PO <sub>4</sub> decorated black urchin-like defective TiO <sub>2</sub> for rapid and long-term bacteria-killing under visible light. <i>Bioactive Materials</i> , 2021, 6, 1575-1587.	8.6	85
54	Processing of porous TiNi shape memory alloy from elemental powders by Ar-sintering. <i>Materials Letters</i> , 2004, 58, 2369-2373.	1.3	84

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55	Synthesis and properties of morphology controllable copper sulphide nanosheets for supercapacitor application. <i>Electrochimica Acta</i> , 2016, 211, 891-899.	2.6	84
56	Synthesis and properties of nanoporous Ag <sub>2</sub> S/CuS catalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2016, 190, 221-228.	2.6	82
57	Engineered probiotics biofilm enhances osseointegration via immunoregulation and anti-infection. <i>Science Advances</i> , 2020, 6, .	4.7	82
58	EIS study of the surface film on the surface of carbon steel from supercritical carbon dioxide corrosion. <i>Applied Surface Science</i> , 2004, 228, 17-25.	3.1	77
59	Na <sup>+</sup> inserted metal-organic framework for rapid therapy of bacteria-infected osteomyelitis through microwave strengthened Fenton reaction and thermal effects. <i>Nano Today</i> , 2021, 37, 101090.	6.2	77
60	Self-activating anti-infection implant. <i>Nature Communications</i> , 2021, 12, 6907.	5.8	77
61	Controlled release behaviour and antibacterial effects of antibiotic-loaded titania nanotubes. <i>Materials Science and Engineering C</i> , 2016, 62, 105-112.	3.8	76
62	An amorphous nanoporous PdCuNi-S hybrid electrocatalyst for highly efficient hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2019, 246, 156-165.	10.8	75
63	Lysozyme-Assisted Photothermal Eradication of Methicillin-Resistant <i>Staphylococcus aureus</i> Infection and Accelerated Tissue Repair with Natural Melanosome Nanostructures. <i>ACS Nano</i> , 2019, 13, 11153-11167.	7.3	74
64	A Z-scheme heterojunction of ZnO/CDots/C <sub>3</sub> N <sub>4</sub> for strengthened photoresponsive bacteria-killing and acceleration of wound healing. <i>Journal of Materials Science and Technology</i> , 2020, 57, 1-11.	5.6	74
65	Microstructure and wear performance of gradient Ti/TiN metal matrix composite coating synthesized using a gas nitriding technology. <i>Surface and Coatings Technology</i> , 2005, 190, 309-313.	2.2	73
66	Pd coated MoS <sub>2</sub> nanoflowers for highly efficient hydrogen evolution reaction under irradiation. <i>Journal of Power Sources</i> , 2015, 284, 68-76.	4.0	73
67	In-situ sulfuration of Cu-based metal-organic framework for rapid near-infrared light sterilization. <i>Journal of Hazardous Materials</i> , 2020, 390, 122126.	6.5	72
68	Soft magnetic Fe-Co-based amorphous alloys with extremely high saturation magnetization exceeding 1.9ÅT and low coercivity of 2ÅA/m. <i>Journal of Alloys and Compounds</i> , 2017, 723, 376-384.	2.8	71
69	Rapid Biofilm Elimination on Bone Implants Using Near-Infrared-Activated Inorganic Semiconductor Heterostructures. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900835.	3.9	71
70	Designing Highly Efficient and Long-Term Durable Electrocatalyst for Oxygen Evolution by Coupling B and P into Amorphous Porous NiFe-Based Material. <i>Small</i> , 2019, 15, e1901020.	5.2	71
71	Excellent soft magnetic Fe-Co-B-based amorphous alloys with extremely high saturation magnetization above 1.85ÅT and low coercivity below 3ÅA/m. <i>Journal of Alloys and Compounds</i> , 2017, 711, 132-142.	2.8	70
72	A highly efficient electrocatalyst based on amorphous Pd-Cu-S material for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18793-18800.	5.2	70

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73	The enhanced near-infrared photocatalytic and photothermal effects of MXene-based heterojunction for rapid bacteria-killing. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120500.	10.8	68
74	Ag <sub>2</sub> S@WS <sub>2</sub> Heterostructure for Rapid Bacteria-Killing Using Near-Infrared Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14982-14990.	3.2	67
75	Light-Activated Rapid Disinfection by Accelerated Charge Transfer in Red Phosphorus/ZnO Heterointerface. <i>Small Methods</i> , 2019, 3, 1900048.	4.6	64
76	Nanoporous NiSb to Enhance Nitrogen Electroreduction via Tailoring Competitive Adsorption Sites. <i>Advanced Materials</i> , 2021, 33, e2101126.	11.1	64
77	Synthesis, characterization and the formation mechanism of magnesium- and strontium-substituted hydroxyapatite. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3738-3746.	2.9	63
78	Ni-free Ti-based bulk metallic glass with potential for biomedical applications produced by spark plasma sintering. <i>Intermetallics</i> , 2012, 29, 99-103.	1.8	61
79	Ce and Er Co-doped TiO <sub>2</sub> for rapid bacteria-killing using visible light. <i>Bioactive Materials</i> , 2020, 5, 201-209.	8.6	61
80	Flower-like CuS/graphene oxide with photothermal and enhanced photocatalytic effect for rapid bacteria-killing using visible light. <i>Rare Metals</i> , 2022, 41, 639-649.	3.6	61
81	Photo-Sono Interfacial Engineering Exciting the Intrinsic Property of Herbal Nanomedicine for Rapid Broad-Spectrum Bacteria Killing. <i>ACS Nano</i> , 2021, 15, 18505-18519.	7.3	61
82	Free-standing amorphous nanoporous nickel cobalt phosphide prepared by electrochemically dealloying process as a high performance energy storage electrode material. <i>Energy Storage Materials</i> , 2019, 17, 300-308.	9.5	60
83	Three-dimensionally ordered macroporous La <sub>1-x</sub> Mg <sub>x</sub> FeO <sub>3</sub> as high performance gas sensor to methanol. <i>Journal of Alloys and Compounds</i> , 2015, 635, 194-202.	2.8	59
84	Corrosion behavior of oil tube steels under conditions of multiphase flow saturated with super-critical carbon dioxide. <i>Materials Letters</i> , 2004, 58, 1035-1040.	1.3	58
85	High entropy effect on structure and properties of (Fe,Co,Ni,Cr)-B amorphous alloys. <i>Journal of Alloys and Compounds</i> , 2017, 696, 345-352.	2.8	58
86	AgBr Nanoparticles in Situ Growth on 2D MoS <sub>2</sub> Nanosheets for Rapid Bacteria-Killing and Photodisinfection. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 34364-34375.	4.0	58
87	The rapid photoresponsive bacteria-killing of Cu-doped MoS <sub>2</sub> . <i>Biomaterials Science</i> , 2020, 8, 4216-4224.	2.6	57
88	Synthesis of nanoporous CuO/TiO <sub>2</sub> /Pd-NiO composite catalysts by chemical dealloying and their performance for methanol and ethanol electro-oxidation. <i>Journal of Power Sources</i> , 2017, 362, 10-19.	4.0	56
89	Nanocrystallization, good soft magnetic properties and ultrahigh mechanical strength for Fe <sub>82-85</sub> B <sub>13-16</sub> Si <sub>1</sub> Cu <sub>1</sub> amorphous alloys. <i>Journal of Alloys and Compounds</i> , 2019, 785, 25-37.	2.8	56
90	Noble metal-based nanomaterials as antibacterial agents. <i>Journal of Alloys and Compounds</i> , 2022, 904, 164091.	2.8	56

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91	Near-infrared light photocatalysis and photothermy of carbon quantum dots and au nanoparticles loaded titania nanotube array. <i>Materials and Design</i> , 2019, 177, 107845.	3.3	55
92	Near-infrared light controlled fast self-healing protective coating on magnesium alloy. <i>Corrosion Science</i> , 2020, 163, 108257.	3.0	55
93	One-step synthesis of Mo and S co-doped porous g-C <sub>3</sub> N <sub>4</sub> nanosheets for efficient visible-light photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2021, 536, 147743.	3.1	55
94	Preparation of copper-coated $\beta$ -SiC nanoparticles by electroless plating. <i>Surface and Coatings Technology</i> , 2011, 205, 2985-2988.	2.2	53
95	Eco-friendly Hybrids of Carbon Quantum Dots Modified MoS <sub>2</sub> for Rapid Microbial Inactivation by Strengthened Photocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 534-542.	3.2	53
96	Rapid Sterilization by Photocatalytic Ag <sub>3</sub> PO <sub>4</sub> / $\beta$ -Fe <sub>2</sub> O <sub>3</sub> Composites Using Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2577-2585.	3.2	53
97	An UV to NIR-driven platform based on red phosphorus/graphene oxide film for rapid microbial inactivation. <i>Chemical Engineering Journal</i> , 2020, 383, 123088.	6.6	52
98	In situ synthesis of a novel Mn <sub>3</sub> O <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> p-n heterostructure photocatalyst for water splitting. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 778-784.	5.0	52
99	MoO <sub>2</sub> @CoO coupled with a macroporous carbon hybrid electrocatalyst for highly efficient oxygen evolution. <i>Nanoscale</i> , 2015, 7, 16704-16714.	2.8	51
100	3D microporous Co <sub>3</sub> O <sub>4</sub> -carbon hybrids biotemplated from butterfly wings as high performance VOCs gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2016, 235, 420-431.	4.0	51
101	Photoelectric-Responsive Extracellular Matrix for Bone Engineering. <i>ACS Nano</i> , 2019, 13, 13581-13594.	7.3	51
102	Modulation of the mechanosensing of mesenchymal stem cells by laser-induced patterning for the acceleration of tissue reconstruction through the Wnt/ $\beta$ -catenin signaling pathway activation. <i>Acta Biomaterialia</i> , 2020, 101, 152-167.	4.1	51
103	Photoelectrons Mediating Angiogenesis and Immunotherapy through Heterojunction Film for Noninvasive Disinfection. <i>Advanced Science</i> , 2020, 7, 2000023.	5.6	51
104	New TiZrCuPd Quaternary Bulk Glassy Alloys with Potential of Biomedical Applications. <i>Materials Transactions</i> , 2007, 48, 2445-2448.	0.4	50
105	Extraordinary Supercapacitor Performance of a Multicomponent and Mixed-Valence Oxyhydroxide. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8100-8104.	7.2	50
106	Corrosion Behavior of a Ti-Based Bulk Metallic Glass and Its Crystalline Alloys. <i>Materials Transactions</i> , 2007, 48, 1855-1858.	0.4	49
107	Production methods and properties of engineering glassy alloys and composites. <i>Intermetallics</i> , 2015, 58, 20-30.	1.8	49
108	Development and application of Fe-based soft magnetic bulk metallic glassy inductors. <i>Journal of Alloys and Compounds</i> , 2018, 731, 1303-1309.	2.8	49

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109	Overcoming Multidrug-Resistant MRSA Using Conventional Aminoglycoside Antibiotics. <i>Advanced Science</i> , 2020, 7, 1902070.	5.6	49
110	High-performance five-ring-fused organic semiconductors for field-effect transistors. <i>Chemical Society Reviews</i> , 2022, 51, 3071-3122.	18.7	49
111	Microwave assisted antibacterial action of Garcinia nanoparticles on Gram-negative bacteria. <i>Nature Communications</i> , 2022, 13, 2461.	5.8	49
112	Ti oxide nano-porous surface structure prepared by dealloying of Ti-Cu amorphous alloy. <i>Electrochemistry Communications</i> , 2011, 13, 250-253.	2.3	48
113	FeCo-based soft magnetic alloys with high Bs approaching 1.75 T and good bending ductility. <i>Journal of Alloys and Compounds</i> , 2017, 691, 364-368.	2.8	48
114	Corrosion behavior and mechanical properties of Mg-Zn-Ca amorphous alloys. <i>Intermetallics</i> , 2013, 42, 9-13.	1.8	47
115	The enhanced photocatalytic sterilization of MOF-Based nanohybrid for rapid and portable therapy of bacteria-infected open wounds. <i>Bioactive Materials</i> , 2022, 13, 200-211.	8.6	47
116	Syntheses and corrosion behaviors of Fe-based amorphous soft magnetic alloys with high-saturation magnetization near 1.7 T. <i>Journal of Materials Research</i> , 2015, 30, 547-555.	1.2	46
117	A Bi <sub>2</sub> Te <sub>3</sub> @CoNiMo composite as a high performance bifunctional catalyst for hydrogen and oxygen evolution reactions. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22770-22780.	5.2	46
118	Formation, thermal stability and mechanical properties of high entropy (Fe,Co,Ni,Cr,Mo)-B amorphous alloys. <i>Journal of Alloys and Compounds</i> , 2018, 732, 637-645.	2.8	46
119	Synthesis of CuO/Co <sub>3</sub> O <sub>4</sub> Coaxial Heterostructures for Efficient and Recycling Photodegradation. <i>International Journal of Photoenergy</i> , 2015, 2015, 1-11.	1.4	45
120	Structure engineering of electrodeposited NiMo films for highly efficient and durable seawater splitting. <i>Electrochimica Acta</i> , 2021, 365, 137366.	2.6	45
121	Fabrication and Corrosion Property of Novel Ti-Based Bulk Glassy Alloys without Ni. <i>Materials Transactions</i> , 2007, 48, 515-518.	0.4	44
122	Ag <sub>2</sub> S decorated nanocubes with enhanced near-infrared photothermal and photodynamic properties for rapid sterilization. <i>Colloids and Interface Science Communications</i> , 2019, 33, 100201.	2.0	44
123	Rapid bacteria capturing and killing by AgNPs/N-CD@ZnO hybrids strengthened photo-responsive xerogel for rapid healing of bacteria-infected wounds. <i>Chemical Engineering Journal</i> , 2021, 414, 128805.	6.6	44
124	Influence of Zr content on phase transformation, microstructure and mechanical properties of Ti <sub>75-x</sub> Nb <sub>25</sub> Zr <sub>x</sub> (x=0-6) alloys. <i>Journal of Alloys and Compounds</i> , 2009, 486, 628-632.	2.8	43
125	Synthesis of Fe <sub>2</sub> O <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> photocatalyst for high-efficiency water splitting under full light. <i>Materials and Design</i> , 2020, 196, 109191.	3.3	43
126	Formation, stability and ultrahigh strength of novel nanostructured alloys by partial crystallization of high-entropy (Fe <sub>0.25</sub> Co <sub>0.25</sub> Ni <sub>0.25</sub> Cr <sub>0.125</sub> Mo <sub>0.125</sub> ) <sub>86</sub> B <sub>14</sub> amorphous phase. <i>Acta Materialia</i> , 2019, 170, 50-61.	3.8	42



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127	Highly efficient nanoporous CoBP electrocatalyst for hydrogen evolution reaction. <i>Rare Metals</i> , 2021, 40, 1031-1039.	3.6	42
128	Simultaneously enhancing the photocatalytic and photothermal effect of NH <sub>2</sub> -MIL-125-GO-Pt ternary heterojunction for rapid therapy of bacteria-infected wounds. <i>Bioactive Materials</i> , 2022, 18, 421-432.	8.6	42
129	New Fe-based soft magnetic amorphous alloys with high saturation magnetization and good corrosion resistance for dust core application. <i>Intermetallics</i> , 2016, 76, 18-25.	1.8	41
130	Zn <sup>2+</sup> -assisted photothermal therapy for rapid bacteria-killing using biodegradable humic acid encapsulated MOFs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110781.	2.5	41
131	Sandwich structured Ni <sub>3</sub> S <sub>2</sub> -MoS <sub>2</sub> -Ni <sub>3</sub> S <sub>2</sub> @Ni foam electrode as a stable bifunctional electrocatalyst for highly sustained overall seawater splitting. <i>Electrochimica Acta</i> , 2021, 390, 138833.	2.6	41
132	Recent Progress in Ti-Based Metallic Glasses for Application as Biomaterials. <i>Materials Transactions</i> , 2013, 54, 1314-1323.	0.4	40
133	Corrosion behaviour of porous Ni-free Ti-based bulk metallic glass produced by spark plasma sintering in Hanks' solution. <i>Intermetallics</i> , 2014, 44, 55-59.	1.8	40
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