Yan-Qin Liang

List of Publications by Year in Descending Order

152 papers	4,584 citations	41 h-index	61 g-index
158 ext. papers	6,742 ext. citations	10.4 avg, IF	6.19 L-index

#	Paper	IF	Citations
152	Photo-excited antibacterial poly(Ɛ-caprolactone)@MoS2/ZnS hybrid nanofibers. *Chemical Engineering Journal*, **2022**, 434, 134764	14.7	3
151	Noble metal-based nanomaterials as antibacterial agents. *Journal of Alloys and Compounds*, **2022**, 904, 164091	5.7	11
150	The enhanced photocatalytic sterilization of MOF-Based nanohybrid for rapid and portable therapy of bacteria-infected open wounds.. *Bioactive Materials*, **2022**, 13, 200-211	16.7	7
149	3D N-doped mesoporous carbon/SnO2 with polypyrrole coating layer as high-performance anode material for Li-ion batteries. *Journal of Alloys and Compounds*, **2022**, 892, 162083	5.7	4
148	Corrosion behavior of 316 stainless steel, copper, and brazed joint in lithium bromide solution at different temperatures. *Materialpruefung/Materials Testing*, **2022**, 64, 67-77	1.9	0
147	Recent progress of photo-excited antibacterial materials via chemical vapor deposition. *Chemical Engineering Journal*, **2022**, 437, 135401	14.7	2
146	Surface photodynamic ion sterilization of ITO-Cu2O/ZnO preventing touch infection. *Journal of Materials Science and Technology*, **2022**, 122, 10-19	9.1	2
145	Simultaneously enhancing the photocatalytic and photothermal effect of NH-MIL-125-GO-Pt ternary heterojunction for rapid therapy of bacteria-infected wounds.. *Bioactive Materials*, **2022**, 18, 421-432	16.7	3
144	High-performance five-ring-fused organic semiconductors for field-effect transistors.. *Chemical Society Reviews*, **2022**,	58.5	6
143	Nanoporous Ni/NiO catalyst for efficient hydrogen evolution reaction prepared by partial electro-oxidation after dealloying. *Journal of Alloys and Compounds*, **2022**, 165061	5.7	1
142	A Three-Dimensional Cement Quantification Method for Decision Prediction of Vertebral Recompression after Vertebroplasty. *Computational and Mathematical Methods in Medicine*, **2022**, 2022, 1-14	2.8	
141	Microwave assisted antibacterial action of Garcinia nanoparticles on Gram-negative bacteria.. *Nature Communications*, **2022**, 13, 2461	17.4	7
140	Photo-Sono Interfacial Engineering Exciting the Intrinsic Property of Herbal Nanomedicine for Rapid Broad-Spectrum Bacteria Killing. *ACS Nano*, **2021**,	16.7	15
139	Oxygen Vacancies-Rich Heterojunction of Ti C /BiOBr for Photo-Excited Antibacterial Textiles. *Small* , **2021**, e2104448	11	6
138	Self-activating anti-infection implant. *Nature Communications*, **2021**, 12, 6907	17.4	11
137	Amorphous FeNiNbPC nanoprous structure for efficient and stable electrochemical oxygen evolution. *Journal of Colloid and Interface Science*, **2021**, 608, 1973-1982	9.3	3
136	Theory-screened MOF-based single-atom catalysts for facile and effective therapy of biofilm-induced periodontitis. *Chemical Engineering Journal*, **2021**, 431, 133279	14.7	5

135	Dual-phase nanostructuring as a route to flexible nanoporous metals with outstanding comprehensive mechanical properties. *Science China Materials*, **2021**, 64, 2289-2304	7.1	5
134	Boosting oxygen reduction catalysis with abundant single atom tin active sites in zinc-air battery. *Journal of Power Sources*, **2021**, 490, 229483	8.9	2
133	Unveiling the roles of multiple active sites during oxygen reduction reaction in Cr2O3@Cr-N-C composite catalyst. *Journal of Catalysis*, **2021**, 396, 402-408	7.3	4
132	Spin State Tuning of the Octahedral Sites in Ni□Co-Based Spinel toward Highly Efficient Urea Oxidation Reaction. *Journal of Physical Chemistry C*, **2021**, 125, 9190-9199	3.8	10
131	Self-supported amorphous nanoporous nickel-cobalt phosphide catalyst for hydrogen evolution reaction. *Progress in Natural Science: Materials International*, **2021**, 31, 201-206	3.6	5
130	Na+ inserted metal-organic framework for rapid therapy of bacteria-infected osteomyelitis through microwave strengthened Fenton reaction and thermal effects. *Nano Today*, **2021**, 37, 101090	17.9	27
129	Hierarchical Ni3S4@MoS2 nanocomposites as efficient electrocatalysts for hydrogen evolution reaction. *Journal of Materials Science and Technology*, **2021**,	9.1	5
128	Single-Atom Catalysis for Efficient Sonodynamic Therapy of Methicillin-Resistant -Infected Osteomyelitis. *ACS Nano*, **2021**, 15, 10628-10639	16.7	37
127	Nanoporous Nickel-Molybdenum Oxide with an Oxygen Vacancy for Electrocatalytic Nitrogen Fixation under Ambient Conditions. *ACS Applied Materials & Interfaces*, **2021**, 13, 30722-30730	9.5	11
126	ZIF-67 derived Co@NC/g-CN as a photocatalyst for enhanced water splitting H evolution. *Environmental Research*, **2021**, 197, 111002	7.9	7
125	Rapid bacteria capturing and killing by AgNPs/N-CD@ZnO hybrids strengthened photo-responsive xerogel for rapid healing of bacteria-infected wounds. *Chemical Engineering Journal*, **2021**, 414, 128805	14.7	22
124	Effects of hydrophobic layer on selective electrochemical nitrogen fixation of self-supporting nanoporous Mo4P3 catalyst under ambient conditions. *Applied Catalysis B: Environmental*, **2021**, 286, 119895	21.8	13
123	Enhanced Electrocatalysis for Hydrogen Evolution over a Nanoporous NiAlTi/Al3Ti Hybrid. *ACS Applied Energy Materials*, **2021**, 4, 7579-7588	6.1	1
122	Zr55Al10Ni5Cu30 amorphous alloy film prepared by magnetron sputtering method. *Rare Metals*, **2021**, 40, 2237-2243	5.5	1
121	Eco-friendly and degradable red phosphorus nanoparticles for rapid microbial sterilization under visible light. *Journal of Materials Science and Technology*, **2021**, 67, 70-79	9.1	19
120	Photothermy-strengthened photocatalytic activity of polydopamine-modified metal-organic frameworks for rapid therapy of bacteria-infected wounds. *Journal of Materials Science and Technology*, **2021**, 62, 83-95	9.1	48
119	Photo-controlled degradation of PLGA/TiC hybrid coating on Mg-Sr alloy using near infrared light. *Bioactive Materials*, **2021**, 6, 568-578	16.7	13
118	One-step synthesis of Mo and S co-doped porous g-C3N4 nanosheets for efficient visible-light photocatalytic hydrogen evolution. *Applied Surface Science*, **2021**, 536, 147743	6.7	20

117	In situ synthesis of a novel MnO/g-CN p-n heterostructure photocatalyst for water splitting. *Journal of Colloid and Interface Science*, **2021**, 586, 778-784	9.3	22
116	Self-supporting amorphous nanoporous NiFeCoP electrocatalyst for efficient overall water splitting. *Journal of Materials Science and Technology*, **2021**, 82, 96-104	9.1	11
115	Self-supported NiSe@NiFe layered double hydroxide bifunctional electrocatalyst for overall water splitting. *Journal of Colloid and Interface Science*, **2021**, 587, 79-89	9.3	27
114	AgPO decorated black urchin-like defective TiO for rapid and long-term bacteria-killing under visible light. *Bioactive Materials*, **2021**, 6, 1575-1587	16.7	50
113	Highly durable CuNC active sites towards efficient oxygen reduction for zinc-air battery: Carbon matrix effect, reaction mechanism and pathways. *Journal of Alloys and Compounds*, **2021**, 857, 158321	5.7	6
112	Ultrasonic Interfacial Engineering of Red Phosphorous-Metal for Eradicating MRSA Infection Effectively. *Advanced Materials*, **2021**, 33, e2006047	24	41
111	Structure engineering of electrodeposited NiMo films for highly efficient and durable seawater splitting. *Electrochimica Acta*, **2021**, 365, 137366	6.7	14
110	Enhanced photocatalytic and photothermal properties of ecofriendly metal-organic framework heterojunction for rapid sterilization. *Chemical Engineering Journal*, **2021**, 405, 126730	14.7	49
109	Antibacterial Hybrid Hydrogels. *Macromolecular Bioscience*, **2021**, 21, e2000252	5.5	23
108	Recent Progress in Photocatalytic Antibacterial.. *ACS Applied Bio Materials*, **2021**, 4, 3909-3936	4.1	27
107	The recent progress on metal-organic frameworks for phototherapy. *Chemical Society Reviews*, **2021**, 50, 5086-5125	58.5	96
106	Photothermal-controlled sustainable degradation of protective coating modified Mg alloy using near-infrared light. *Rare Metals*, **2021**, 40, 2538-2551	5.5	5
105	Interfacial engineering of BiS/TiCT MXene based on work function for rapid photo-excited bacteria-killing. *Nature Communications*, **2021**, 12, 1224	17.4	82
104	Highly efficient nanoporous CoBP electrocatalyst for hydrogen evolution reaction. *Rare Metals*, **2021**, 40, 1031-1039	5.5	10
103	An Engineered Pseudo-Macrophage for Rapid Treatment of Bacteria-Infected Osteomyelitis via Microwave-Excited Anti-Infection and Immunoregulation. *Advanced Materials*, **2021**, 33, e2102926	24	30
102	2D MOF Periodontitis Photodynamic Ion Therapy. *Journal of the American Chemical Society*, **2021**, 143, 15427-15439	16.4	36
101	Material-herbology: An effective and safe strategy to eradicate lethal viral-bacterial pneumonia. *Matter*, **2021**, 4, 3030-3048	12.7	6
100	The enhanced near-infrared photocatalytic and photothermal effects of MXene-based heterojunction for rapid bacteria-killing. *Applied Catalysis B: Environmental*, **2021**, 297, 120500	21.8	11

99	A self-supported FeNi layered double hydroxide anode with high activity and long-term stability for efficient oxygen evolution reaction. *Sustainable Energy and Fuels*, **2021**, 5, 3205-3212	5.8	1
98	NiP nanoflakes for the high-performing urea oxidation reaction: linking active sites to a UOR mechanism. *Nanoscale*, **2021**, 13, 1759-1769	7.7	30
97	Activity descriptor identification for hydrogen evolution reaction on well-dispersed few layer MoS2(O) nanosheets over the mesoporous carbonic arrays. *Journal of Alloys and Compounds*, **2020**, 842, 155744	5.7	2
96	A Z-scheme heterojunction of ZnO/CDots/C3N4 for strengthened photoresponsive bacteria-killing and acceleration of wound healing. *Journal of Materials Science and Technology*, **2020**, 57, 1-11	9.1	38
95	The rapid photoresponsive bacteria-killing of Cu-doped MoS. *Biomaterials Science*, **2020**, 8, 4216-4224	7.4	30
94	Overcoming Multidrug-Resistant MRSA Using Conventional Aminoglycoside Antibiotics. *Advanced Science*, **2020**, 7, 1902070	13.6	30
93	miR-21 promotes osseointegration and mineralization through enhancing both osteogenic and osteoclastic expression. *Materials Science and Engineering C*, **2020**, 111, 110785	8.3	8
92	Rapid and highly effective bacteria-killing by polydopamine/IR780@MnO2Ti using near-infrared light. *Progress in Natural Science: Materials International*, **2020**, 30, 677-685	3.6	6
91	Near-Infrared Light Triggered Phototherapy and Immunotherapy for Elimination of Methicillin-Resistant Biofilm Infection on Bone Implant. *ACS Nano*, **2020**, 14, 8157-8170	16.7	67
90	Ce and Er Co-doped TiO for rapid bacteria- killing using visible light. *Bioactive Materials*, **2020**, 5, 201-209	16.7	37
89	Tuning cobalt eg occupation of Co-NCNT by manipulation of crystallinity facilitates more efficient oxygen evolution and reduction. *Journal of Catalysis*, **2020**, 383, 221-229	7.3	5
88	Visible light responsive CuS/ protonated g-CN heterostructure for rapid sterilization. *Journal of Hazardous Materials*, **2020**, 393, 122423	12.8	57
87	In-situ sulfuration of Cu-based metal-organic framework for rapid near-infrared light sterilization. *Journal of Hazardous Materials*, **2020**, 390, 122126	12.8	43
86	Rapid Photo-Sonotherapy for Clinical Treatment of Bacterial Infected Bone Implants by Creating Oxygen Deficiency Using Sulfur Doping. *ACS Nano*, **2020**, 14, 2077-2089	16.7	98
85	Rapid Sterilization by Photocatalytic Ag3PO4/Fe2O3 Composites Using Visible Light. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 2577-2585	8.3	33
84	Preparation of nanoporous Sn-doped TiO2 anode material for lithium-ion batteries by a simple dealloying method. *Ionics*, **2020**, 26, 4363-4372	2.7	5
83	Self-supporting CoMoC nanoporous catalysts for N2 reduction reaction under ambient conditions. *Applied Surface Science*, **2020**, 521, 146385	6.7	8
82	Engineered probiotics biofilm enhances osseointegration via immunoregulation and anti-infection. *Science Advances*, **2020**, 6,	14.3	34

81	Modulation of the mechanosensing of mesenchymal stem cells by laser-induced patterning for the acceleration of tissue reconstruction through the Wnt/□catenin signaling pathway activation. *Acta Biomaterialia*, **2020**, 101, 152-167	10.8	32
80	Preparation and physicochemical properties of an injectable alginate-based hydrogel by the regulated release of divalent ions via the hydrolysis of d-glucono--lactone. *Journal of Biomaterials Applications*, **2020**, 34, 891-901	2.9	0
79	Zn-assisted photothermal therapy for rapid bacteria-killing using biodegradable humic acid encapsulated MOFs. *Colloids and Surfaces B: Biointerfaces*, **2020**, 188, 110781	6	24
78	Eco-friendly Hybrids of Carbon Quantum Dots Modified MoS2 for Rapid Microbial Inactivation by Strengthened Photocatalysis. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 534-542	8.3	32
77	Tuning the □electron delocalization degree of mesoporous carbon for hydrogen peroxide electrochemical generation. *Journal of Catalysis*, **2020**, 392, 1-7	7.3	6
76	Synthesis of □Fe2O3/g-C3N4 photocatalyst for high-efficiency water splitting under full light. *Materials and Design*, **2020**, 196, 109191	8.1	14
75	Rutile-Coated B-Phase TiO2 Heterojunction Nanobelts for Photocatalytic H2 Evolution. *ACS Applied Nano Materials*, **2020**, 3, 10349-10359	5.6	8
74	In situ synthesis of exfoliation TiO2@C hybrids with enhanced photocatalytic hydrogen evolution activity. *Applied Surface Science*, **2020**, 530, 147283	6.7	10
73	Photoresponsive Materials for Antibacterial Applications. *Cell Reports Physical Science*, **2020**, 1, 100245	6.1	50
72	Photoelectrons Mediating Angiogenesis and Immunotherapy through Heterojunction Film for Noninvasive Disinfection. *Advanced Science*, **2020**, 7, 2000023	13.6	18
71	Treatment of MRSA-infected osteomyelitis using bacterial capturing, magnetically targeted composites with microwave-assisted bacterial killing. *Nature Communications*, **2020**, 11, 4446	17.4	79
70	Amorphous CoMoO4 with Nanoporous Structures for Electrochemical Ammonia Synthesis under Ambient Conditions. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 19072-19083	8.3	7
69	Near-infrared light controlled fast self-healing protective coating on magnesium alloy. *Corrosion Science*, **2020**, 163, 108257	6.8	27
68	Photo-responsive chitosan/Ag/MoS for rapid bacteria-killing. *Journal of Hazardous Materials*, **2020**, 383, 121122	12.8	91
67	An UV to NIR-driven platform based on red phosphorus/graphene oxide film for rapid microbial inactivation. *Chemical Engineering Journal*, **2020**, 383, 123088	14.7	31
66	Enhanced photocatalytic activity and photothermal effects of cu-doped metal-organic frameworks for rapid treatment of bacteria-infected wounds. *Applied Catalysis B: Environmental*, **2020**, 261, 118248	21.8	140
65	Rapid Biofilm Elimination on Bone Implants Using Near-Infrared-Activated Inorganic Semiconductor Heterostructures. *Advanced Healthcare Materials*, **2019**, 8, e1900835	10.1	44
64	AgBr Nanoparticles in Situ Growth on 2D MoS Nanosheets for Rapid Bacteria-Killing and Photodisinfection. *ACS Applied Materials & Interfaces*, **2019**, 11, 34364-34375	9.5	39

63	Zinc-doped Prussian blue enhances photothermal clearance of Staphylococcus aureus and promotes tissue repair in infected wounds. *Nature Communications*, **2019**, 10, 4490	17.4	170
62	An amorphous nanoporous PdCuNi-S hybrid electrocatalyst for highly efficient hydrogen production. *Applied Catalysis B: Environmental*, **2019**, 246, 156-165	21.8	49
61	Enhancement of photocatalytic H2 production by metal complex electrostatic adsorption on TiO2 (B) nanosheets. *Journal of Materials Chemistry A*, **2019**, 7, 3797-3804	13	9
60	Enhancing the antibacterial efficacy of low-dose gentamicin with 5 minute assistance of photothermy at 50 ℃. *Biomaterials Science*, **2019**, 7, 1437-1447	7.4	44
59	Self-supported Ni(OH)2/MnO2 on CFP as a flexible anode towards electrocatalytic urea conversion: The role of composition on activity, redox states and reaction dynamics. *Electrochimica Acta*, **2019**, 318, 32-41	6.7	21
58	The enhanced photocatalytic properties of MnO/g-CN heterostructure for rapid sterilization under visible light. *Journal of Hazardous Materials*, **2019**, 377, 227-236	12.8	73
57	Near-infrared light photocatalysis and photothermy of carbon quantum dots and au nanoparticles loaded titania nanotube array. *Materials and Design*, **2019**, 177, 107845	8.1	38
56	Local Photothermal/Photodynamic Synergistic Therapy by Disrupting Bacterial Membrane To Accelerate Reactive Oxygen Species Permeation and Protein Leakage. *ACS Applied Materials & Interfaces*, **2019**, 11, 17902-17914	9.5	88
55	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. *Small*, **2019**, 15, e1900322	11	105
54	Eradicating Multidrug-Resistant Bacteria Rapidly Using a Multi Functional g-C3N4@ Bi2S3 Nanorod Heterojunction with or without Antibiotics. *Advanced Functional Materials*, **2019**, 29, 1900946	15.6	79
53	Photocatalysis: Light-Activated Rapid Disinfection by Accelerated Charge Transfer in Red Phosphorus/ZnO Heterointerface (Small Methods 3/2019). *Small Methods*, **2019**, 3, 1970008	12.8	3
52	Rapid and Highly Effective Noninvasive Disinfection by Hybrid Ag/CS@MnO Nanosheets Using Near-Infrared Light. *ACS Applied Materials & Interfaces*, **2019**, 11, 15014-15027	9.5	59
51	Light-Activated Rapid Disinfection by Accelerated Charge Transfer in Red Phosphorus/ZnO Heterointerface. *Small Methods*, **2019**, 3, 1900048	12.8	48
50	Free-standing amorphous nanoporous nickel cobalt phosphide prepared by electrochemically delloying process as a high performance energy storage electrode material. *Energy Storage Materials*, **2019**, 17, 300-308	19.4	41
49	Lysozyme-Assisted Photothermal Eradication of Methicillin-Resistant Infection and Accelerated Tissue Repair with Natural Melanosome Nanostructures. *ACS Nano*, **2019**, 13, 11153-11167	16.7	49
48	Dual Metal-Organic Framework Heterointerface. *ACS Central Science*, **2019**, 5, 1591-1601	16.8	65
47	Ag22 Heterostructure for Rapid Bacteria-Killing Using Near-Infrared Light. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 14982-14990	8.3	44
46	A near infrared-activated photocatalyst based on elemental phosphorus by chemical vapor deposition. *Applied Catalysis B: Environmental*, **2019**, 258, 117980	21.8	22

45	Highly Effective and Noninvasive Near-Infrared Eradication of a Biofilm on Implants by a Photoresponsive Coating within 20 Min. *Advanced Science*, **2019**, 6, 1900599	13.6	142
44	Superimposed surface plasma resonance effect enhanced the near-infrared photocatalytic activity of Au@BiWO coating for rapid bacterial killing. *Journal of Hazardous Materials*, **2019**, 380, 120818	12.8	50
43	Highly Efficient and Self-Standing Nanoporous NiO/Al3Ni2 Electrocatalyst for Hydrogen Evolution Reaction. *ACS Applied Energy Materials*, **2019**, 2, 7913-7922	6.1	22
42	Highly efficient amorphous np-PdFePC catalyst for hydrogen evolution reaction. *Electrochimica Acta*, **2019**, 328, 135082	6.7	19
41	Photoelectric-Responsive Extracellular Matrix for Bone Engineering. *ACS Nano*, **2019**, 13, 13581-13594	16.7	27
40	Ag2S decorated nanocubes with enhanced near-infrared photothermal and photodynamic properties for rapid sterilization. *Colloids and Interface Science Communications*, **2019**, 33, 100201	5.4	31
39	"Imitative" click chemistry to form a sticking xerogel for the portable therapy of bacteria-infected wounds. *Biomaterials Science*, **2019**, 7, 5383-5387	7.4	12
38	Preparation and electrocatalytic performance of nanoporous Pd/Sn and Pd/Sn-CuO composite catalysts. *Electrochimica Acta*, **2019**, 296, 397-406	6.7	17
37	Interface modification of carbon fibers with TiC/Ti2AlC coating and its effect on the tensile strength. *Ceramics International*, **2019**, 45, 4661-4666	5.1	7
36	A nanoporous metal phosphide catalyst for bifunctional water splitting. *Journal of Materials Chemistry A*, **2018**, 6, 5574-5579	13	76
35	The controllable preparation of Co3O4 nanostructure for designing optimal mechanical and magnetic properties of graphite/kaolin based compounds. *Materials and Design*, **2018**, 143, 169-176	8.1	4
34	Defect enhances photocatalytic activity of ultrathin TiO2 (B) nanosheets for hydrogen production by plasma engraving method. *Applied Catalysis B: Environmental*, **2018**, 230, 11-17	21.8	78
33	Nanosized strontium substituted hydroxyapatite prepared from egg shell for enhanced biological properties. *Journal of Biomaterials Applications*, **2018**, 32, 896-905	2.9	8
32	Free-standing ternary NiWP film for efficient water oxidation reaction. *Applied Surface Science*, **2018**, 434, 871-878	6.7	12
31	Cobalt-iron (oxides) water oxidation catalysts: Tracking catalyst redox states and reaction dynamic mechanism. *Journal of Catalysis*, **2018**, 365, 227-237	7.3	16
30	Formation and evolution of black silicon microcolumns with array distribution after IR nanosecond-pulsed laser ablation. *Ferroelectrics*, **2018**, 528, 51-57	0.6	1
29	Effects of both Sr and Mg substitution on compositions of biphasic calcium phosphate derived from hydrothermal method. *International Journal of Applied Ceramic Technology*, **2018**, 15, 210-222	2	7
28	Controlled and sustained drug release performance of calcium sulfate cement porous TiO microsphere composites. *International Journal of Nanomedicine*, **2018**, 13, 7491-7501	7.3	4

27	Synthesis of polyaluminocarbosilane with low branched molecular structure using liquid polysilacarbosilane and aluminum acetylacetonate by high-pressure method. *Applied Organometallic Chemistry*, **2018**, 33, e4720	3.1	0
26	Two-Dimensional Lamellar MoC for Electrochemical Hydrogen Production: Insights into the Origin of Hydrogen Evolution Reaction Activity in Acidic and Alkaline Electrolytes. *ACS Applied Materials & Interfaces*, **2018**, 10, 40500-40508	9.5	28
25	Preparation of TiC/Ti2AlC coating on carbon fiber and investigation of the oxidation resistance properties. *Journal of the American Ceramic Society*, **2018**, 101, 5269-5280	3.8	14
24	Synthesis of Br-doped TiO2 hollow spheres with enhanced photocatalytic activity. *Journal of Nanoparticle Research*, **2017**, 19, 1	2.3	9
23	Four-electron oxygen reduction from mesoporous carbon modified with Fe2O3 nanocrystals. *Journal of Materials Science*, **2017**, 52, 10938-10947	4.3	14
22	The Incorporation of Strontium in a Sodium Alginate Coating on Titanium Surfaces for Improved Biological Properties. *BioMed Research International*, **2017**, 2017, 9867819	3	7
21	High rate and long cycle life porous carbon nanofiber paper anodes for potassium-ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 19237-19244	13	159
20	A highly efficient electrocatalyst based on amorphous PdCuS material for hydrogen evolution reaction. *Journal of Materials Chemistry A*, **2017**, 5, 18793-18800	13	47
19	Synthesis of nanoporous CuO/TiO2/Pd-NiO composite catalysts by chemical dealloying and their performance for methanol and ethanol electro-oxidation. *Journal of Power Sources*, **2017**, 362, 10-19	8.9	41
18	Incorporation of silver and strontium in hydroxyapatite coating on titanium surface for enhanced antibacterial and biological properties. *Materials Science and Engineering C*, **2017**, 71, 852-861	8.3	81
17	Synthesis, Characterization, and Biological Evaluation of Nanostructured Hydroxyapatite with Different Dimensions. *Nanomaterials*, **2017**, 7,	5.4	15
16	Strontium incorporation to optimize the antibacterial and biological characteristics of silver-substituted hydroxyapatite coating. *Materials Science and Engineering C*, **2016**, 58, 467-77	8.3	73
15	Controlled release behaviour and antibacterial effects of antibiotic-loaded titania nanotubes. *Materials Science and Engineering C*, **2016**, 62, 105-12	8.3	58
14	Synthesis of Cu2O Octadecahedron/TiO2 Quantum Dot Heterojunctions with High Visible Light Photocatalytic Activity and High Stability. *ACS Applied Materials & Interfaces*, **2016**, 8, 91-101	9.5	107
13	Synthesis, characterization and biological evaluation of strontium/magnesium-co-substituted hydroxyapatite. *Journal of Biomaterials Applications*, **2016**, 31, 140-51	2.9	20
12	3D microporous Co3O4-carbon hybrids biotemplated from butterfly wings as high performance VOCs gas sensor. *Sensors and Actuators B: Chemical*, **2016**, 235, 420-431	8.5	36
11	Enhancement of gas-sensing abilities in p-type ZnWO4 by local modification of Pt nanoparticles. *Analytica Chimica Acta*, **2016**, 927, 107-16	6.6	23
10	Synthesis of TiO2Nanoparticles Loaded Pd/CuO Nanoporous Catalysts and Their Catalytic Performance for Methanol, Ethanol and Formic Acid Electro-Oxidations. *Journal of the Electrochemical Society*, **2016**, 163, E263-E271	3.9	6

9	Synthesis, characterization and the formation mechanism of magnesium- and strontium-substituted hydroxyapatite. *Journal of Materials Chemistry B*, **2015**, 3, 3738-3746	7.3	47
8	Pd-loaded In2O3 nanowire-like network synthesized using carbon nanotube templates for enhancing NO2 sensing performance. *RSC Advances*, **2015**, 5, 30038-30045	3.7	27
7	Nanoporous CuS with excellent photocatalytic property. *Scientific Reports*, **2015**, 5, 18125	4.9	93
6	Preparation of hydroxyapatite layer on Ti-based bulk metallic glasses by acid and alkali pre-treatment. *Rare Metals*, **2015**, 34, 22-27	5.5	2
5	Fabrication, characterization, and photocatalytic properties of anatase TiO2 nanoplates with exposed {001} facets. *Journal of Nanoparticle Research*, **2014**, 16, 1	2.3	8
4	Self-organized nanotubular layer on Ti-4Zr-22Nb-2Sn alloys formed in organic electrolytes. *Journal of Materials Research*, **2009**, 24, 3647-3652	2.5	9
3	Flower-like CuS/graphene oxide with photothermal and enhanced photocatalytic effect for rapid bacteria-killing using visible light. *Rare Metals*,1	5.5	20
2	Electronic Structure Modulation of Nanoporous Cobalt Phosphide by Carbon Doping for Alkaline Hydrogen Evolution Reaction. *Advanced Functional Materials*,2107333	15.6	22
1	Electrodeposition of self-supported NiMo amorphous coating as an efficient and stable catalyst for hydrogen evolution reaction. *Rare Metals*,1	5.5	0