Wang Zhang

List of Publications by Citations

Source: https://exaly.com/author-pdf/6528431/wang-zhang-publications-by-citations.pdf

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

4,160 61 114 33 h-index g-index citations papers 8.7 5.48 119 5,020 L-index avg, IF ext. citations ext. papers

#	Paper	IF	Citations
114	Fluorine-Free Synthesis of High-Purity Ti C T (T=OH, O) via Alkali Treatment. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 6115-6119	16.4	387
113	"Egg-Box"-Assisted Fabrication of Porous Carbon with Small Mesopores for High-Rate Electric Double Layer Capacitors. <i>ACS Nano</i> , 2015 , 9, 11225-33	16.7	242
112	Bioinspired Multifunctional Paper-Based rGO Composites for Solar-Driven Clean Water Generation. <i>ACS Applied Materials & Distriction (Composite Section)</i> 14628-36	9.5	187
111	Enhanced Light-Harvesting and Photocatalytic Properties in Morph-TiO2 from Green-Leaf Biotemplates. <i>Advanced Functional Materials</i> , 2009 , 19, 45-56	15.6	184
110	Novel Photoanode Structure Templated from Butterfly Wing Scales. <i>Chemistry of Materials</i> , 2009 , 21, 33-40	9.6	182
109	One step fabrication of C-doped BiVO4 with hierarchical structures for a high-performance photocatalyst under visible light irradiation. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 8367	13	128
108	Hierarchical Porous Carbonized Lotus Seedpods for Highly Efficient Solar Steam Generation. <i>Chemistry of Materials</i> , 2018 , 30, 6217-6221	9.6	126
107	High-Density Hotspots Engineered by Naturally Piled-Up Subwavelength Structures in Three-Dimensional Copper Butterfly Wing Scales for Surface-Enhanced Raman Scattering Detection. <i>Advanced Functional Materials</i> , 2012 , 22, 1578-1585	15.6	103
106	Ag/diatomite for highly efficient solar vapor generation under one-sun irradiation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 17817-17821	13	101
105	Highly porous graphitic materials prepared by catalytic graphitization. <i>Carbon</i> , 2013 , 64, 132-140	10.4	92
104	Bioinspired fabrication of hierarchically structured, pH-tunable photonic crystals with unique transition. <i>ACS Nano</i> , 2013 , 7, 4911-8	16.7	91
103	The synthesis of hierarchical porous iron oxide with wood templates. <i>Microporous and Mesoporous Materials</i> , 2005 , 85, 82-88	5.3	88
102	Fabrication of ZnO microtubes with adjustable nanopores on the walls by the templating of butterfly wing scales. <i>Nanotechnology</i> , 2006 , 17, 840-844	3.4	85
101	3D-Structured Carbonized Sunflower Heads for Improved Energy Efficiency in Solar Steam Generation. <i>ACS Applied Materials & Amp; Interfaces</i> , 2020 , 12, 2171-2179	9.5	85
100	3D Network Magnetophotonic Crystals Fabricated on Morpho Butterfly Wing Templates. <i>Advanced Functional Materials</i> , 2012 , 22, 2072-2080	15.6	81
99	Quantum Dots of 1T Phase Transitional Metal Dichalcogenides Generated via Electrochemical Li Intercalation. <i>ACS Nano</i> , 2018 , 12, 308-316	16.7	80
98	Recent development of biomass-derived carbons and composites as electrode materials for supercapacitors. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 2543-2570	7.8	79

(2014-2015)

Infrared detection based on localized modification of Morpho butterfly wings. <i>Advanced Materials</i> , 2015 , 27, 1077-82	24	74
Morphology genetic materials templated from natural species. <i>Advanced Materials</i> , 2015 , 27, 464-78	24	63
Morphosynthesis of hierarchical ZnO replica using butterfly wing scales as templates. <i>Microporous and Mesoporous Materials</i> , 2006 , 92, 227-233	5.3	63
Inspiration from butterfly and moth wing scales: Characterization, modeling, and fabrication. <i>Progress in Materials Science</i> , 2015 , 68, 67-96	42.2	59
Biomimetic zinc oxide replica with structural color using butterfly (Ideopsis similis) wings as templates. <i>Bioinspiration and Biomimetics</i> , 2006 , 1, 89-95	2.6	58
Optical Functional Materials Inspired by Biology. Advanced Optical Materials, 2016 , 4, 195-224	8.1	54
Facile Self-Cross-Linking Synthesis of 3D Nanoporous Co3O4/Carbon Hybrid Electrode Materials for Supercapacitors. <i>ACS Applied Materials & Amp; Interfaces</i> , 2016 , 8, 16035-44	9.5	53
Fluorine-free Ti3C2Tx (T = O, OH) nanosheets (~50🛮 00 nm) for nitrogen fixation under ambient conditions. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14462-14465	13	50
A facile low-temperature synthesis of highly distributed and size-tunable cobalt oxide nanoparticles anchored on activated carbon for supercapacitors. <i>Journal of Power Sources</i> , 2015 , 273, 945-953	8.9	45
Bioinspired Autus coupled photothermal materials: enhanced infrared absorption and photothermal conversion from butterfly wings. <i>Nano Energy</i> , 2015 , 17, 52-62	17.1	43
Single porous SnO2 microtubes templated from Papilio maacki bristles: new structure towards superior gas sensing. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4543-4550	13	43
Highly sensitive, reproducible and uniform SERS substrates with a high density of three-dimensionally distributed hotspots: gyroid-structured Au periodic metallic materials. <i>NPG Asia Materials</i> , 2018 , 10, e462-e462	10.3	40
A highly sensitive room temperature H2S gas sensor based on SnO2 multi-tube arrays bio-templated from insect bristles. <i>Dalton Transactions</i> , 2015 , 44, 7911-6	4.3	39
Ultralight, flexible carbon hybrid aerogels from bacterial cellulose for strong microwave absorption. <i>Carbon</i> , 2020 , 162, 283-291	10.4	36
Light-Driven Overall Water Splitting Enabled by a Photo-Dember Effect Realized on 3D Plasmonic Structures. <i>ACS Nano</i> , 2016 , 10, 6693-701	16.7	34
N-doped catalytic graphitized hard carbon for high-performance lithium/sodium-ion batteries. <i>Scientific Reports</i> , 2018 , 8, 9934	4.9	34
A 3D hierarchical hybrid nanostructure of carbon nanotubes and activated carbon for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3505	13	33
Metal-organic frameworks reactivate deceased diatoms to be efficient CO(2) absorbents. <i>Advanced Materials</i> , 2014 , 26, 1229-34	24	33
	Morphology genetic materials templated from natural species. Advanced Materials, 2015, 27, 464-78 Morphosynthesis of hierarchical ZnO replica using butterfly wing scales as templates. Microporous and Mesoporous Materials, 2006, 92, 227-233 Inspiration from butterfly and moth wing scales: Characterization, modeling, and fabrication. Progress in Materials Science, 2015, 68, 67-96 Biomimetic zinc oxide replica with structural color using butterfly (Ideopsis similis) wings as templates. Bioinspiration and Biomimetics, 2006, 1, 89-95 Optical Functional Materials Inspired by Biology. Advanced Optical Materials, 2016, 4, 195-224 Facile Self-Cross-Linking Synthesis of 3D Nanoporous Co3O4/Carbon Hybrid Electrode Materials for Supercapacitors. ACS Applied Materials & Samp; Interfaces, 2016, 8, 16035-44 Fluorine-free Ti3C2Tx (T = O, OH) nanosheets (-50fl00 nm) for nitrogen fixation under ambient conditions. Journal of Materials Chemistry A, 2019, 7, 14462-14465 A facile low-temperature synthesis of highly distributed and size-tunable cobalt oxide nanoparticles anchored on activated carbon for supercapacitors. Journal of Power Sources, 2015, 273, 945-953 Bioinspired Aulius coupled photothermal materials: enhanced infrared absorption and photothermal conversion from butterfly wings. Nano Energy, 2015, 17, 52-62 Single porous SnO2 microtubes templated from Papilio maacki bristles: new structure towards superior gas sensing. Journal of Materials Chemistry A, 2014, 2, 4543-4550 Highly sensitive, reproducible and uniform SERS substrates with a high density of three-dimensionally distributed hotspots: gyroid-structured Au periodic metallic materials. NPG Asia Materials, 2018, 10, e462-e462 A highly sensitive room temperature H2S gas sensor based on SnO2 multi-tube arrays bio-templated from insect bristles. Dalton Transactions, 2015, 44, 7911-6 Ultralight, flexible carbon hybrid aerogels from bacterial cellulose for strong microwave absorption. Carbon, 2020, 162, 283-291 Light-Driven Overall Water Splitting Enabled b	Morphology genetic materials templated from natural species. Advanced Materials, 2015, 27, 464-78 24 Morphosynthesis of hierarchical ZnO replica using butterfly wing scales as templates. Microporous and Mesoporous Materials, 2006, 92, 227-233 53 Inspiration from butterfly and moth wing scales: Characterization, modeling, and fabrication. Progress in Materials Science, 2015, 68, 67-96 Biomimetic zinc oxide replica with structural color using butterfly (Ideopsis similis) wings as templates. Bioinspiration and Biomimetics, 2006, 1, 89-95 Optical Functional Materials Inspired by Biology. Advanced Optical Materials, 2016, 4, 195-224 8.1 Facile Self-Cross-Linking Synthesis of 3D Nanoporous Co3O4/Carbon Hybrid Electrode Materials for Supercapacitors. ACS Applied Materials & Bamp; Interfaces, 2016, 8, 16035-44 9.5 Fluorine-free Ti3C2Tx (T = 0, OH) nanosheets (-50fl00 nm) for nitrogen fixation under ambient conditions. Journal of Materials Chemistry A, 2019, 7, 14462-14465 13. A facile low-temperature synthesis of highly distributed and size-tunable cobalt oxide nanoparticles anchored on activated carbon for supercapacitors. Journal of Power Sources, 2015, 273, 945-953 Bioinspired Aulius Coupled photothermal materials: enhanced infrared absorption and photothermal conversion from butterfly wings. Nano Energy, 2015, 17, 52-62 17.1 Single porous SnO2 microtubes templated from Papilio maacki bristles: new structure towards superior gas sensing. Journal of Materials Chemistry A, 2014, 2, 4543-4550 13. Highly sensitive, reproducible and uniform SERS substrates with a high density of three-dimensionally distributed hotspots: gyroid-structured Au periodic metallic materials. NPG Asia Materials, 2018, 10, 462-462. A highly sensitive room temperature H2S gas sensor based on SnO2 multi-tube arrays bio-templated from insect bristles. Dalton Transactions, 2015, 44, 7911-6 43 Ultralight, Flexible carbon hybrid aerogels from bacterial cellulose for strong microwave absorption. Carbon, 2020, 162, 283-291 10.4 Light-Driven

79	Engineering Gyroid-Structured Functional Materials via Templates Discovered in Nature and in the Lab. <i>Small</i> , 2015 , 11, 5004-22	11	33
78	ZnO single butterfly wing scales: synthesis and spatial optical anisotropy. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6140		33
77	Tumor marker detection using surface enhanced Raman spectroscopy on 3D Au butterfly wings. Journal of Materials Chemistry B, 2017 , 5, 1594-1600	7.3	32
76	Butterfly effects: novel functional materials inspired from the wings scales. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 19767-80	3.6	32
75	Three-Dimensional CdS/Au Butterfly Wing Scales with Hierarchical Rib Structures for Plasmon-Enhanced Photocatalytic Hydrogen Production. <i>ACS Applied Materials & Discourse amp; Interfaces</i> , 2018 , 10, 19649-19655	9.5	32
74	Microwave-assisted anchoring of flowerlike Co(OH)2 nanosheets on activated carbon to prepare hybrid electrodes for high-rate electrochemical capacitors. <i>Electrochimica Acta</i> , 2015 , 170, 328-336	6.7	29
73	3D Interconnected Gyroid Au-CuS Materials for Efficient Solar Steam Generation. <i>ACS Applied Materials & Acs Applied & Acs App</i>	9.5	29
72	Freeze-drying assisted synthesis of hierarchical porous carbons for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 21016-21022	13	28
71	Biosynthesis of cathodoluminescent zinc oxide replicas using butterfly (Papilio paris) wing scales as templates. <i>Materials Science and Engineering C</i> , 2009 , 29, 92-96	8.3	28
70	Hierarchical photonic structured stimuli-responsive materials as high-performance colorimetric sensors. <i>Nanoscale</i> , 2016 , 8, 10316-22	7.7	26
69	Surface plasmon resonance of gold nanocrystals coupled with slow-photon-effect of biomorphic TiO2 photonic crystals for enhanced photocatalysis under visible-light. <i>Catalysis Today</i> , 2016 , 274, 15-21	5.3	25
68	In situ synthesis of BiOCl nanosheets on three-dimensional hierarchical structures for efficient photocatalysis under visible light. <i>Nanoscale</i> , 2019 , 11, 10203-10208	7.7	23
67	Biomimetic Superstructures Assembled from Au Nanostars and Nanospheres for Efficient Solar Evaporation. <i>Advanced Sustainable Systems</i> , 2019 , 3, 1900003	5.9	23
66	Tunable three-dimensional ZrO2 photonic crystals replicated from single butterfly wing scales. Journal of Materials Chemistry, 2011 , 21, 15237		23
65	Photocatalyst of organic pollutants decomposition: TiO 2 /glass fiber cloth composites. <i>Catalysis Today</i> , 2016 , 274, 2-7	5.3	23
64	Coupling of plasmon and 3D antireflection quasi-photonic crystal structure for enhancement infrared absorption. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1672-1679	7.1	22
63	Sulfonic-Group-Grafted TiCT MXene: A Silver Bullet to Settle the Instability of Polyaniline toward High-Performance Zn-Ion Batteries. <i>ACS Nano</i> , 2021 , 15, 9065-9075	16.7	22
62	Construction of a Bioinspired Hierarchical BiVO/BiOCl Heterojunction and Its Enhanced Photocatalytic Activity for Phenol Degradation. <i>ACS Applied Materials & Degradation and Its Enhanced</i> 2021, 13, 32906	-3291!	5 22

(2018-2019)

61	Facilely green synthesis of 3D nano-pyramids Cu/Carbon hybrid sensor electrode materials for simultaneous monitoring of phenolic compounds. <i>Sensors and Actuators B: Chemical</i> , 2019 , 282, 617-625	8.5	21
60	Demonstration of higher colour response with ambient refractive index in Papilio blumei as compared to Morpho rhetenor. <i>Scientific Reports</i> , 2014 , 4, 5591	4.9	20
59	Omnidirectional light absorption of disordered nano-hole structure inspired from Papilio ulysses. <i>Optics Letters</i> , 2014 , 39, 4208-11	3	19
58	The highly efficient photocatalytic and light harvesting property of Ag-TiO with negative nano-holes structure inspired from cicada wings. <i>Scientific Reports</i> , 2017 , 7, 17277	4.9	19
57	Self-crosslink assisted synthesis of 3D porous branch-like Fe3O4/C hybrids for high-performance lithium/sodium-ion batteries. <i>RSC Advances</i> , 2017 , 7, 50307-50316	3.7	19
56	Fabrication of Sensor Materials Inspired by Butterfly Wings. <i>Advanced Materials Technologies</i> , 2017 , 2, 1600209	6.8	18
55	Design of a structure with low incident and viewing angle dependence inspired by Morpho butterflies. <i>Scientific Reports</i> , 2013 , 3, 3427	4.9	18
54	Tunable optical photonic devices made from moth wing scales: a way to enlarge natural functional structuresTpool. <i>Journal of Materials Chemistry</i> , 2011 , 21, 13913		18
53	Novel Ag decorated biomorphic SnO2 inspired by natural 3D nanostructures as SERS substrates. <i>Materials Letters</i> , 2012 , 74, 43-45	3.3	17
52	Embedment of ZnO nanoparticles in the natural photonic crystals within peacock feathers. <i>Nanotechnology</i> , 2008 , 19, 365602	3.4	16
51	Angle dependent antireflection property of TiO2 inspired by cicada wings. <i>Applied Physics Letters</i> , 2016 , 109, 153701	3.4	16
50	Micron-sized encapsulated-type MoS2/C hybrid particulates with an effective confinement effect for improving the cycling performance of LIB anodes. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6289-62	983	14
49	High-Sensitivity Light Detection via Gate Tuning of Organometallic Perovskite/PCBM Bulk Heterojunctions on Ferroelectric PbLaZrTiO Gated Graphene Field Effect Transistors. <i>ACS Applied Materials & Damp; Interfaces</i> , 2018 , 10, 12824-12830	9.5	14
48	Large-visual-angle microstructure inspired from quantitative design of Morpho butterfliesTlamellae deviation using the FDTD/PSO method. <i>Optics Letters</i> , 2013 , 38, 169-71	3	14
47	Bioinspired Thermoresponsive Photonic Polymers with Hierarchical Structures and Their Unique Properties. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1722-8	4.8	13
46	Spectral selectivity of 3D magnetophotonic crystal film fabricated from single butterfly wing scales. <i>Nanoscale</i> , 2014 , 6, 6133-40	7.7	13
45	Fabrication of Fe-wings used for micro imprinting with a natural butterfly wing structure by in situ carbothermic reduction. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 1673-1677	7.3	13
44	Reversible thermochromic response based on photonic crystal structure in butterfly wing. <i>Nanophotonics</i> , 2018 , 7, 217-227	6.3	13

43	Enhanced photocatalytic hydrogen production on three-dimensional gold butterfly wing scales/CdS nanoparticles. <i>Applied Surface Science</i> , 2018 , 427, 807-812	6.7	12
42	A low-cost, high-efficiency light absorption structure inspired by the Papilio ulysses butterfly. <i>RSC Advances</i> , 2017 , 7, 22749-22756	3.7	11
41	A highly sensitive gas sensor employing biomorphic SnO with multi-level tubes/pores structure: bio-templated from waste of flax <i>RSC Advances</i> , 2019 , 9, 19993-20001	3.7	10
40	Biomimetic fabrication of WO3 for water splitting under visible light with high performance. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	10
39	Angle-independent pH-sensitive composites with natural gyroid structure. <i>Scientific Reports</i> , 2017 , 7, 42207	4.9	9
38	Efficient photochemical hydrogen production under visible-light over artificial photosynthetic systems. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 8639-8647	6.7	9
37	Butterfly wing architectures inspire sensor and energy applications. <i>National Science Review</i> , 2021 , 8, nwaa107	10.8	9
36	Large-Area 3D Hierarchical Superstructures Assembled from Colloidal Nanoparticles. <i>Small</i> , 2019 , 15, e1805308	11	8
35	Ordering of Hollow Ag-Au Nanospheres with Butterfly Wings as a Bio-template. <i>Scientific Reports</i> , 2018 , 8, 9261	4.9	8
34	Optical Performance Study of Gyroid-Structured TiO2 Photonic Crystals Replicated from Natural Templates Using a Sol-Gel Method. <i>Advanced Optical Materials</i> , 2018 , 6, 1800064	8.1	8
33	A bioinspired broadband self-powered photodetector based on photo-pyroelectric-thermoelectric effect able to detect human radiation. <i>Nano Energy</i> , 2022 , 93, 106812	17.1	8
32	Infrared-induced variation of the magnetic properties of a magnetoplasmonic film with a 3D sub-micron periodic triangular roof-type antireflection structure. <i>Scientific Reports</i> , 2015 , 5, 8025	4.9	7
31	Photothermal-assist enhanced high-performance self-powered photodetector with bioinspired temperature-autoregulation by passive radiative balance. <i>Nano Energy</i> , 2021 , 79, 105435	17.1	7
30	Two-dimensional quantum-sheet films with sub-1.2 nm channels for ultrahigh-rate electrochemical capacitance. <i>Nature Nanotechnology</i> , 2021 ,	28.7	6
29	A flower-inspired divergent light-trapping structure with quasi-spherical symmetry towards a high-performance flexible photodetector. <i>Nanoscale</i> , 2020 , 12, 20898-20907	7.7	6
28	Electrochemical determination of urinary dopamine from neuroblastoma patients based on Cu nanoplates encapsulated by alginate-derived carbon. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 853, 113560	4.1	5
27	Biotemplated g-CN/Au Periodic Hierarchical Structures for the Enhancement of Photocatalytic CO Reduction with Localized Surface Plasmon Resonance. <i>ACS Applied Materials & Description</i> ,	9.5	5
26	Biocompatible, small-sized and well-dispersed gold nanoparticles regulated by silk fibroin fiber from Bombyx mori cocoons. <i>Frontiers of Materials Science</i> , 2019 , 13, 126-132	2.5	4

(2022-2020)

25	Chemistry and morphology of the pygidial glands in four Pterostichini ground beetle taxa (Coleoptera: Carabidae: Pterostichinae). <i>Zoology</i> , 2020 , 142, 125772	1.7	4	
24	AgBr/diatomite for the efficient visible-light-driven photocatalytic degradation of Rhodamine B. <i>Journal of Nanoparticle Research</i> , 2018 , 20, 1	2.3	4	
23	Photonic structure arrays generated using butterfly wing scales as biological units. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 1743-1747	7:3	4	
22	High-Efficiency g-C3N4 Based Photocatalysts for CO2 Reduction: Modification Methods. <i>Advanced Fiber Materials</i> ,1	10.9	4	
21	Pygidial gland secretions of Carabus Linnaeus, 1758 (Coleoptera: Carabidae): chemicals released by three species. <i>Chemoecology</i> , 2020 , 30, 59-68	2	4	
20	Microstructures of responsive photonic crystals on the stimuli-responsive performance: Effects and simulation. <i>Sensors and Actuators B: Chemical</i> , 2020 , 305, 127421	8.5	4	
19	A bioinspired Au-CuS/CuS film with efficient low-angle-dependent and thermal-assisted photodetection properties. <i>IScience</i> , 2021 , 24, 102167	6.1	4	
18	Mapping thermal radiation in plasmonic structures. <i>Chemical Physics</i> , 2019 , 526, 110423	2.3	3	
17	Hydrothermal Synthesis Au-Bi2Te3 Nanocomposite Thermoelectric Film with a Hierarchical Sub-Micron Antireflection Quasi-Periodic Structure. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 12547-59	6.3	3	
16	Photonic Crystals: 3D Network Magnetophotonic Crystals Fabricated on Morpho Butterfly Wing Templates (Adv. Funct. Mater. 10/2012). <i>Advanced Functional Materials</i> , 2012 , 22, 2071-2071	15.6	3	
15	Bio-templated germanium photonic crystals by a facile liquid phase deposition process. <i>RSC Advances</i> , 2016 , 6, 73156-73159	3.7	3	
14	Synthesis and Applications of Porous Glass. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2019 , 24, 681-698	0.6	3	
13	A bioinspired switchable selective infrared solar absorber by tunable optical coupling. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 4150-4157	7.1	3	
12	Naturally safe: Cellular noise for document security. <i>Journal of Biophotonics</i> , 2019 , 12, e201900218	3.1	2	
11	Germanium-dioxide periodic nanostructure from inverse replication of butterfly wings. <i>Materials Letters</i> , 2018 , 227, 55-57	3.3	2	
10	Optical characters measurement and simulation of 2D cross grating microstructures of butterfly wings. <i>International Journal of Precision Engineering and Manufacturing</i> , 2012 , 13, 1647-1653	1.7	2	
9	A bioinspired solar evaporator for continuous and efficient desalination by salt dilution and secretion. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 17985-17993	13	2	
8	An integrated photothermal-photocatalytic materials for efficient photocatalytic performance boosting by synergistic photothermally. <i>Applied Surface Science</i> , 2022 , 153382	6.7	2	

7	Understanding and modifications on lithium deposition in lithium metal batteries. Rare Metals,1	5.5	2
6	Morph-Genetic Materials Inspired from Butterfly Wing Scales. <i>Advanced Topics in Science and Technology in China</i> , 2012 , 75-122	0.2	1
5	Bioinspired multilevel interconnected networks with porous multiwalled nanotubes built by heterogeneous nanocrystallites. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 604-613	3.8	1
4	Photothermal enhancement of highly efficient photocatalysis with bioinspired thermal radiation balance characteristics. <i>Applied Surface Science</i> , 2022 , 153304	6.7	1
3	Optical Optimization with Microstructure Evolution Inspired from Lepidopteran Scales. <i>Advanced Optical Materials</i> ,2200710	8.1	0
2	3D Assembly: Large-Area 3D Hierarchical Superstructures Assembled from Colloidal Nanoparticles (Small 18/2019). <i>Small</i> , 2019 , 15, 1970096	11	

Bioinspired Engineering of Photothermal Materials **2018**, 99-128