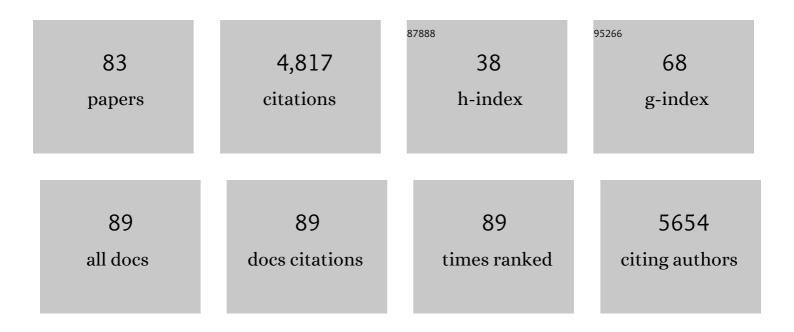
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Two-dimensional quantum-sheet films with sub-1.2 nm channels for ultrahigh-rate electrochemical capacitance. Nature Nanotechnology, 2022, 17, 153-158.	31.5	55
2	Constructing High-Performance Lithium-Ion Hybrid Capacitors Based on the Electrode Framework Matching Strategy. ACS Applied Energy Materials, 2022, 5, 1963-1971.	5.1	7
3	Bioinspired Porous Anodic Alumina/Aluminum Flake Powder for Multiband Compatible Low Detectability. ACS Applied Materials & Interfaces, 2022, 14, 8464-8472.	8.0	7
4	In Situ Ion–Exchange Synthesis of Fe ₃ O ₄ Nanosheets with 3D Hierarchically Porous Carbon Frameworks for Highâ€Performance Energy Storage. Energy Technology, 2022, 10, .	3.8	2
5	Rational Construction of a 0D/1D S-Scheme CeO ₂ /CdWO ₄ Heterojunction for Photocatalytic CO ₂ Reduction and H ₂ Production. Industrial & Engineering Chemistry Research, 2022, 61, 10931-10944.	3.7	13
6	Butterfly wing architectures inspire sensor and energy applications. National Science Review, 2021, 8, nwaa107.	9.5	32
7	Hierarchical few-layer fluorine-free Ti ₃ C ₂ T _X (T = O,) Tj ETQq1 1 0.78431 Chemistry A, 2021, 9, 922-927.	14 rgBT /Ov 10.3	erlock 10 Tf 29
8	A bioinspired solar evaporator for continuous and efficient desalination by salt dilution and secretion. Journal of Materials Chemistry A, 2021, 9, 17985-17993.	10.3	11
9	Copper sulfide as the cation exchange template for synthesis of bimetallic catalysts for CO ₂ electroreduction. RSC Advances, 2021, 11, 23948-23959.	3.6	6
10	Gyroid-structured Au–Ag periodic bimetal materials for ultrasensitive SERS detection. Journal of Materials Chemistry C, 2021, 9, 9137-9141.	5.5	3
11	Bioinspired multilevel interconnected networks with porous multiwalled nanotubes built by heterogeneous nanocrystallites. Journal of the American Ceramic Society, 2020, 103, 604-613.	3.8	1
12	Mechanically alloyed NiTiO ₃ /transition metal heterostructures: introducing oxygen vacancies for exceptionally enhanced hydrogen evolution reaction activity. Journal of Materials Chemistry A, 2020, 8, 14908-14914.	10.3	22
13	Surfaceâ€Carbonized Bamboos with Multilevel Functional Biostructures Deliver High Photothermal Water Evaporation Performance. Advanced Sustainable Systems, 2020, 4, 2000126.	5.3	53
14	A Scalable Nickel–Cellulose Hybrid Metamaterial with Broadband Light Absorption for Efficient Solar Distillation. Advanced Materials, 2020, 32, e1907975.	21.0	73
15	Pt-decorated fluorine-free Ti3C2TX for hydrogen evolution reaction. Journal of Materials Science: Materials in Electronics, 2020, 31, 11345-11351.	2.2	2
16	3D Interconnected Gyroid Au–CuS Materials for Efficient Solar Steam Generation. ACS Applied Materials & Interfaces, 2020, 12, 34837-34847.	8.0	52
17	Achieving Rich and Active Alkaline Hydrogen Evolution Heterostructures via Interface Engineering on 2D 1Tâ€MoS ₂ Quantum Sheets. Advanced Functional Materials, 2020, 30, 2000551.	14.9	83
18	Superior photothermal black TiO2 with random size distribution as flexible film for efficient solar steam generation. Applied Materials Today, 2020, 20, 100669.	4.3	27

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19	Oneâ€Pot Hydrothermal Synthesis of Ternary 1Tâ€MoS ₂ /Hexaâ€WO ₃ /Graphene Composites for Highâ€Performance Supercapacitors. Chemistry - A European Journal, 2019, 25, 16054-16062.	3.3	13
20	Ce4+ as a facile and versatile surface modification reagent for templated synthesis in electrical applications. Nanoscale, 2019, 11, 2138-2142.	5.6	2
21	Highly defective 1T-MoS2 nanosheets on 3D reduced graphene oxide networks for supercapacitors. Carbon, 2019, 152, 697-703.	10.3	86
22	Fluorine-free Ti3C2Tx as anode materials for Li-ion batteries. Electrochemistry Communications, 2019, 104, 106472.	4.7	46
23	Fluorine-free Ti ₃ C ₂ T _x (T = O, OH) nanosheets (â^¼50–100 nm) for nitrogen fixation under ambient conditions. Journal of Materials Chemistry A, 2019, 7, 14462-14465.	10.3	76
24	<i>In situ</i> synthesis of BiOCl nanosheets on three-dimensional hierarchical structures for efficient photocatalysis under visible light. Nanoscale, 2019, 11, 10203-10208.	5.6	32
25	3D Assembly: Largeâ€Area 3D Hierarchical Superstructures Assembled from Colloidal Nanoparticles (Small 18/2019). Small, 2019, 15, 1970096.	10.0	0
26	Biomimetic Superstructures Assembled from Au Nanostars and Nanospheres for Efficient Solar Evaporation. Advanced Sustainable Systems, 2019, 3, 1900003.	5.3	37
27	Biocompatible, small-sized and well-dispersed gold nanoparticles regulated by silk fibroin fiber from Bombyx mori cocoons. Frontiers of Materials Science, 2019, 13, 126-132.	2.2	9
28	Largeâ€Area 3D Hierarchical Superstructures Assembled from Colloidal Nanoparticles. Small, 2019, 15, 1805308.	10.0	12
29	Microwave-assisted ultrafast synthesis of adjustable bimetal phosphide/graphene heterostructures from MOFs for efficient electrochemical water splitting. Journal of Materials Chemistry A, 2019, 7, 14526-14535.	10.3	88
30	AgBr/diatomite for the efficient visible-light-driven photocatalytic degradation of Rhodamine B. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	6
31	Fluorineâ€Free Synthesis of Highâ€Purity Ti ₃ C ₂ T _{<i>x</i>} (T=OH, O) via Alkali Treatment. Angewandte Chemie, 2018, 130, 6223-6227.	2.0	459
32	Fluorineâ€Free Synthesis of Highâ€Purity Ti ₃ C ₂ T _{<i>x</i>} (T=OH, O) via Alkali Treatment. Angewandte Chemie - International Edition, 2018, 57, 6115-6119.	13.8	809
33	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.	7.9	65
34	Enhanced photocatalytic hydrogen production on three-dimensional gold butterfly wing scales/CdS nanoparticles. Applied Surface Science, 2018, 427, 807-812.	6.1	13
35	Quantum Dots of 1T Phase Transitional Metal Dichalcogenides Generated <i>via</i> Electrochemical Li Intercalation. ACS Nano, 2018, 12, 308-316.	14.6	110
36	Selfâ€Assembly of Largeâ€Area 2D Polycrystalline Transition Metal Carbides for Hydrogen Electrocatalysis. Advanced Materials, 2018, 30, e1805188.	21.0	84

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37	Hierarchical Porous Carbonized Lotus Seedpods for Highly Efficient Solar Steam Generation. Chemistry of Materials, 2018, 30, 6217-6221.	6.7	204
38	Three-Dimensional CdS/Au Butterfly Wing Scales with Hierarchical Rib Structures for Plasmon-Enhanced Photocatalytic Hydrogen Production. ACS Applied Materials & Interfaces, 2018, 10, 19649-19655.	8.0	54
39	Ordering of Hollow Ag-Au Nanospheres with Butterfly Wings as a Bio-template. Scientific Reports, 2018, 8, 9261.	3.3	13
40	Optical Performance Study of Gyroidâ€Structured TiO ₂ Photonic Crystals Replicated from Natural Templates Using a Solâ€Gel Method. Advanced Optical Materials, 2018, 6, 1800064.	7.3	11
41	N-doped catalytic graphitized hard carbon for high-performance lithium/sodium-ion batteries. Scientific Reports, 2018, 8, 9934.	3.3	51
42	Tumor marker detection using surface enhanced Raman spectroscopy on 3D Au butterfly wings. Journal of Materials Chemistry B, 2017, 5, 1594-1600.	5.8	40
43	Angle-independent pH-sensitive composites with natural gyroid structure. Scientific Reports, 2017, 7, 42207.	3.3	10
44	Self-crosslink assisted synthesis of 3D porous branch-like Fe ₃ O ₄ /C hybrids for high-performance lithium/sodium-ion batteries. RSC Advances, 2017, 7, 50307-50316.	3.6	24
45	Photocatalyst of organic pollutants decomposition: TiO 2 /glass fiber cloth composites. Catalysis Today, 2016, 274, 2-7.	4.4	29
46	Bio-templated germanium photonic crystals by a facile liquid phase deposition process. RSC Advances, 2016, 6, 73156-73159.	3.6	3
47	Light-Driven Overall Water Splitting Enabled by a Photo-Dember Effect Realized on 3D Plasmonic Structures. ACS Nano, 2016, 10, 6693-6701.	14.6	39
48	Optical Functional Materials Inspired by Biology. Advanced Optical Materials, 2016, 4, 195-224.	7.3	67
49	Spontaneous Cross-linking for Fabrication of Nanohybrids Embedded with Size-Controllable Particles. ACS Nano, 2016, 10, 889-898.	14.6	61
50	Surface plasmon resonance of gold nanocrystals coupled with slow-photon-effect of biomorphic TiO 2 photonic crystals for enhanced photocatalysis under visible-light. Catalysis Today, 2016, 274, 15-21.	4.4	31
51	Photonic structure arrays generated using butterfly wing scales as biological units. Journal of Materials Chemistry B, 2015, 3, 1743-1747.	5.8	6
52	Surface-Enhanced Raman Scattering (SERS) Mechanisms of Metal Scale Replicas. SpringerBriefs in Materials, 2015, , 69-88.	0.3	0
53	"Egg-Box―Assisted Fabrication of Porous Carbon with Small Mesopores for High-Rate Electric Double Layer Capacitors. ACS Nano, 2015, 9, 11225-11233.	14.6	291
54	Quasiâ€Periodical 3D Hierarchical Silver Nanosheets with Subâ€10 nm Nanogap Applied as an Effective and Applicable SERS Substrate. Advanced Materials Interfaces, 2015, 2, 1500359.	3.7	5

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55	Bioinspired Au–CuS coupled photothermal materials: enhanced infrared absorption and photothermal conversion from butterfly wings. Nano Energy, 2015, 17, 52-62.	16.0	59
56	Coupling of plasmon and 3D antireflection quasi-photonic crystal structure for enhancement infrared absorption. Journal of Materials Chemistry C, 2015, 3, 1672-1679.	5.5	22
57	Inspiration from butterfly and moth wing scales: Characterization, modeling, and fabrication. Progress in Materials Science, 2015, 68, 67-96.	32.8	74
58	Morphology Genetic Materials Templated from Natural Species. Advanced Materials, 2015, 27, 464-478.	21.0	77
59	Surface-Enhanced Raman Scattering (SERS) Performance of Metal Scale Replicas. SpringerBriefs in Materials, 2015, , 55-68.	0.3	0
60	Butterfly effects: novel functional materials inspired from the wings scales. Physical Chemistry Chemical Physics, 2014, 16, 19767-19780.	2.8	41
61	Metalâ€Organic Frameworks Reactivate Deceased Diatoms to be Efficient CO ₂ Absorbents. Advanced Materials, 2014, 26, 1229-1234.	21.0	44
62	Reduction of CuO Butterfly Wing Scales Generates Cu SERS Substrates for DNA Base Detection. ACS Applied Materials & Interfaces, 2013, 5, 9878-9882.	8.0	42
63	Influence of disorders on the optical properties of butterfly wing: Analysis with a finite-difference time-domain method. European Physical Journal B, 2013, 86, 1.	1.5	6
64	Bioinspired Fabrication of Hierarchically Structured, pH-Tunable Photonic Crystals with Unique Transition. ACS Nano, 2013, 7, 4911-4918.	14.6	102
65	Large-visual-angle microstructure inspired from quantitative design of Morpho butterflies' lamellae deviation using the FDTD/PSO method. Optics Letters, 2013, 38, 169.	3.3	17
66	An ancient method-inspired route for fast fabrication of â€~PbS bird feathers'. MRS Communications, 2013, 3, 61-65.	1.8	1
67	Highâ€Density Hotspots Engineered by Naturally Piledâ€Up Subwavelength Structures in Threeâ€Dimensional Copper Butterfly Wing Scales for Surfaceâ€Enhanced Raman Scattering Detection. Advanced Functional Materials, 2012, 22, 1578-1585.	14.9	109
68	3D Network Magnetophotonic Crystals Fabricated on <i>Morpho</i> Butterfly Wing Templates. Advanced Functional Materials, 2012, 22, 2072-2080.	14.9	91
69	Biological Templates: High-Density Hotspots Engineered by Naturally Piled-Up Subwavelength Structures in Three-Dimensional Copper Butterfly Wing Scales for Surface-Enhanced Raman Scattering Detection (Adv. Funct. Mater. 8/2012). Advanced Functional Materials, 2012, 22, 1542-1542.	14.9	1
70	Synthesis of naturally cross-linked polycrystalline ZrO2 hollow nanowires using butterfly as templates. Materials Chemistry and Physics, 2012, 134, 16-20.	4.0	9
71	Moth wing scales as optical pH sensors. Sensors and Actuators B: Chemical, 2012, 166-167, 824-828.	7.8	22
72	Morph-Genetic Materials Inspired from Butterfly Wing Scales. Advanced Topics in Science and Technology in China, 2012, , 75-122.	0.1	3

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73	Tunable three-dimensional ZrO2 photonic crystals replicated from single butterfly wing scales. Journal of Materials Chemistry, 2011, 21, 15237.	6.7	29
74	ZnO single butterfly wing scales: synthesis and spatial optical anisotropy. Journal of Materials Chemistry, 2011, 21, 6140.	6.7	35
75	Tunable optical photonic devices made from moth wing scales: a way to enlarge natural functional structures' pool. Journal of Materials Chemistry, 2011, 21, 13913.	6.7	22
76	Morphological Effects on Surface-Enhanced Raman Scattering from Silver Butterfly Wing Scales Synthesized via Photoreduction. Langmuir, 2011, 27, 11742-11746.	3.5	41
77	Versatile Fabrication of Intact Threeâ€Dimensional Metallic Butterfly Wing Scales with Hierarchical Subâ€micrometer Structures. Angewandte Chemie - International Edition, 2011, 50, 8307-8311.	13.8	113
78	Synthesis of Cu-doped WO3 materials with photonic structures for high performance sensors. Journal of Materials Chemistry, 2010, 20, 9126.	6.7	82
79	Iridescent large-area ZrO2 photonic crystals using butterfly as templates. Applied Physics Letters, 2009, 94, .	3.3	47
80	A simple and effective approach towards biomimetic replication of photonic structures from butterfly wings. Nanotechnology, 2009, 20, 315303.	2.6	41
81	Novel Photoanode Structure Templated from Butterfly Wing Scales. Chemistry of Materials, 2009, 21, 33-40.	6.7	211
82	Giant Seebeck coefficient decrease in polycrystalline materials with highly anisotropic band structures: Implications in seeking high-quality thermoelectric materials. Solid State Communications, 2008, 148, 10-13.	1.9	7
83	Biomimetic zinc oxide replica with structural color using butterfly (Ideopsis similis) wings as templates Bioinspiration and Biomimetics 2006, 1, 89-95	2.9	68