

List of Publications by Citations

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

135 papers	8,015 citations	37 h-index	88 g-index
148 ext. papers	8,704 ext. citations	7.3 avg, IF	6.2 L-index

#	Paper	IF	Citations
135	Efficient tandem polymer solar cells fabricated by all-solution processing. <i>Science</i> , 2007 , 317, 222-5	33.3	2957
134	One-dimensional titanium dioxide nanomaterials: nanotubes. <i>Chemical Reviews</i> , 2014 , 114, 9385-454	68.1	885
133	TiO ₂ nanotubes and their application in dye-sensitized solar cells. <i>Nanoscale</i> , 2010 , 2, 45-59	7.7	516
132	Anodic formation of thick anatase TiO ₂ mesosponge layers for high-efficiency photocatalysis. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1478-9	16.4	155
131	Ultrafast growth of highly ordered anodic TiO ₂ nanotubes in lactic acid electrolytes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11316-8	16.4	113
130	Label-Free and Self-Signal Amplifying Molecular DNA Sensors Based on Bioconjugated Polyelectrolytes. <i>Advanced Functional Materials</i> , 2007 , 17, 2580-2587	15.6	107
129	Nb doping of TiO ₂ nanotubes for an enhanced efficiency of dye-sensitized solar cells. <i>Chemical Communications</i> , 2011 , 47, 2032-4	5.8	106
128	Intrinsic Au decoration of growing TiO ₂ nanotubes and formation of a high-efficiency photocatalyst for H ₂ production. <i>Advanced Materials</i> , 2013 , 25, 6133-7	24	99
127	Oxide nanotubes on Ti-Ru alloys: strongly enhanced and stable photoelectrochemical activity for water splitting. <i>Journal of the American Chemical Society</i> , 2011 , 133, 5629-31	16.4	99
126	Photoanodes with Fully Controllable Texture: The Enhanced Water Splitting Efficiency of Thin Hematite Films Exhibiting Solely (110) Crystal Orientation. <i>ACS Nano</i> , 2015 , 9, 7113-23	16.7	85
125	Self-organized arrays of single-metal catalyst particles in TiO ₂ cavities: a highly efficient photocatalytic system. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 7514-7	16.4	82
124	Formation of Single walled TiO ₂ nanotubes with significantly enhanced electronic properties for higher efficiency dye-sensitized solar cells. <i>Chemical Communications</i> , 2013 , 49, 2067-9	5.8	78
123	Ta-doped TiO ₂ nanotubes for enhanced solar-light photoelectrochemical water splitting. <i>Chemistry - A European Journal</i> , 2013 , 19, 5841-4	4.8	74
122	Water annealing and other low temperature treatments of anodic TiO ₂ nanotubes: A comparison of properties and efficiencies in dye sensitized solar cells and for water splitting. <i>Electrochimica Acta</i> , 2012 , 82, 98-102	6.7	73
121	Size-selective separation of macromolecules by nanochannel titania membrane with self-cleaning (declogging) ability. <i>Journal of the American Chemical Society</i> , 2010 , 132, 7893-5	16.4	73
120	Formation of a non-thickness-limited titanium dioxide mesosponge and its use in dye-sensitized solar cells. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 9326-9	16.4	71
119	Partially unzipped carbon nanotubes for high-rate and stable lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 819-826	13	66

118	Small diameter TiO ₂ nanotubes vs. nanopores in dye sensitized solar cells. <i>Electrochemistry Communications</i> , 2012 , 15, 1-4	5.1	62
117	Anodic formation of self-organized cobalt oxide nanoporous layers. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 2077-81	16.4	62
116	Anodic formation of high aspect ratio, self-ordered Nb ₂ O ₅ nanotubes. <i>Chemical Communications</i> , 2012 , 48, 4244-6	5.8	59
115	Dye-sensitized solar cells using anodic TiO ₂ mesosponge: Improved efficiency by TiCl ₄ treatment. <i>Electrochemistry Communications</i> , 2010 , 12, 574-578	5.1	57
114	Enhanced water splitting activity of M-doped Ta ₃ N ₅ (M = Na, K, Rb, Cs). <i>Chemical Communications</i> , 2012 , 48, 8685-7	5.8	56
113	Self-decoration of Pt metal particles on TiO ₂ (2) nanotubes used for highly efficient photocatalytic H ₂ (2) production. <i>Chemical Communications</i> , 2014 , 50, 6123-5	5.8	53
112	Enhanced performance of dye-sensitized solar cells based on TiO ₂ nanotube membranes using an optimized annealing profile. <i>Chemical Communications</i> , 2015 , 51, 1631-4	5.8	50
111	Anodic TiO ₂ nanotubes: Influence of top morphology on their photocatalytic performance. <i>Electrochemistry Communications</i> , 2012 , 22, 162-165	5.1	50
110	Anodic TiO ₂ nanotubes: double walled vs. single walled. <i>Faraday Discussions</i> , 2013 , 164, 107-16	3.6	49
109	Enhancing the water splitting efficiency of Sn-doped hematite nanoflakes by flame annealing. <i>Chemistry - A European Journal</i> , 2014 , 20, 77-82	4.8	43
108	Optimizing TiO ₂ nanotube top geometry for use in dye-sensitized solar cells. <i>Chemistry - A European Journal</i> , 2012 , 18, 11862-6	4.8	43
107	Thermal air oxidation of Fe: rapid hematite nanowire growth and photoelectrochemical water splitting performance. <i>Electrochemistry Communications</i> , 2012 , 23, 59-62	5.1	42
106	Flexible nanoporous activated carbon cloth for achieving high H ₂ , CH ₄ , and CO ₂ storage capacities and selective CO ₂ /CH ₄ separation. <i>Chemical Engineering Journal</i> , 2020 , 379, 122367	14.7	40
105	Highly self-ordered nanochannel TiO ₂ structures by anodization in a hot glycerol electrolyte. <i>Chemical Communications</i> , 2011 , 47, 5789-91	5.8	39
104	Fast fabrication of Ta ₂ O ₅ nanotube arrays and their conversion to Ta ₃ N ₅ for efficient solar driven water splitting. <i>Electrochemistry Communications</i> , 2015 , 50, 15-19	5.1	38
103	Ideally ordered porous TiO ₂ prepared by anodization of pretextured Ti by nanoimprinting process. <i>Electrochemistry Communications</i> , 2015 , 50, 73-76	5.1	38
102	Molten o-H ₃ PO ₄ : A New Electrolyte for the Anodic Synthesis of Self-Organized Oxide Structures--WO ₃ Nanochannel Layers and Others. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5646-9	16.4	37
101	Nb-doping of TiO ₂ /SrTiO ₃ nanotubular heterostructures for enhanced photocatalytic water splitting. <i>Electrochemistry Communications</i> , 2012 , 17, 56-59	5.1	37

100	Improved water-splitting behaviour of flame annealed TiO ₂ nanotubes. <i>Electrochemistry Communications</i> , 2011 , 13, 1030-1034	5.1	37
99	Effect of Electrolyte Conductivity on the Formation of a Nanotubular TiO ₂ Photoanode for a Dye-Sensitized Solar Cell. <i>Journal of the Korean Physical Society</i> , 2009 , 54, 1027-1031	0.6	37
98	Hydrothermal growth of highly oriented single crystalline Ta ₂ O ₅ nanorod arrays and their conversion to Ta ₃ N ₅ for efficient solar driven water splitting. <i>Chemical Communications</i> , 2014 , 50, 15561-15564	5.8	36
97	Flame annealing effects on self-organized TiO ₂ nanotubes. <i>Electrochimica Acta</i> , 2012 , 66, 12-21	6.7	36
96	Anodically formed transparent mesoporous TiO ₂ electrodes for high electrochromic contrast. <i>Journal of Materials Chemistry</i> , 2012 , 22, 9821		36
95	Highly ordered TiO ₂ nanotube-stumps with memristive response. <i>Electrochemistry Communications</i> , 2013 , 34, 177-180	5.1	34
94	Ru-doped TiO ₂ nanotubes: Improved performance in dye-sensitized solar cells. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012 , 6, 169-171	2.5	34
93	A self-cleaning nonenzymatic glucose detection system based on titania nanotube arrays modified with platinum nanoparticles. <i>Electrochemistry Communications</i> , 2011 , 13, 1217-1220	5.1	34
92	High-aspect-ratio dye-sensitized solar cells based on robust, fast-growing TiO ₂ nanotubes. <i>Chemistry - A European Journal</i> , 2013 , 19, 2966-70	4.8	33
91	Use of Anodic TiO ₂ Nanotube Layers as Mesoporous Scaffolds for Fabricating CH ₃ NH ₃ PbI ₃ Perovskite-Based Solid-State Solar Cells. <i>ChemElectroChem</i> , 2015 , 2, 824-828	4.3	32
90	Sustainable nanoporous carbon for CO ₂ , CH ₄ , N ₂ , H ₂ adsorption and CO ₂ /CH ₄ and CO ₂ /N ₂ separation. <i>Energy</i> , 2018 , 158, 9-16	7.9	32
89	Highly ordered nanoporous Ta ₂ O ₅ formed by anodization of Ta at high temperatures in a glycerol/phosphate electrolyte. <i>Electrochemistry Communications</i> , 2011 , 13, 542-545	5.1	32
88	Formation of highly ordered nanochannel Nb oxide by self-organizing anodization. <i>Chemistry - A European Journal</i> , 2012 , 18, 9521-4	4.8	31
87	Role of Transparent Electrodes for High Efficiency TiO ₂ Nanotube Based Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 16562-16566	3.8	29
86	Formation of anodic TiO ₂ nanotube or nanosponge morphology determined by the electrolyte hydrodynamic conditions. <i>Electrochemistry Communications</i> , 2013 , 26, 1-4	5.1	29
85	A facile synthesis tool of nanoporous carbon for promising H ₂ , CO ₂ , and CH ₄ sorption capacity and selective gas separation. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 23087-23100	13	29
84	Ta doping for an enhanced efficiency of TiO ₂ nanotube based dye-sensitized solar cells. <i>Electrochemistry Communications</i> , 2012 , 25, 11-14	5.1	28
83	Influence of hydrodynamic conditions on growth and geometry of anodic TiO ₂ nanotubes and their use towards optimized DSSCs. <i>Journal of Materials Chemistry</i> , 2012 , 22, 12792		28

82	Direct anodic growth of thick WO ₃ mesosponge layers and characterization of their photoelectrochemical response. <i>Electrochimica Acta</i> , 2010 , 56, 828-833	6.7	28
81	Domain structure of epitaxial PbTiO ₃ thin films on Pt(001)/MgO(001) substrates. <i>Journal of Applied Physics</i> , 2004 , 95, 236-240	2.5	28
80	Interfacial growth of the optimal BiVO nanoparticles onto self-assembled WO nanoplates for efficient photoelectrochemical water splitting. <i>Journal of Colloid and Interface Science</i> , 2019 , 557, 478-487	8.3	27
79	Reliable metal deposition into TiO ₂ nanotubes for leakage-free interdigitated electrode structures and use as a memristive electrode. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 12381-4	16.4	27
78	Self-organized transparent 1D TiO ₂ nanotubular photoelectrodes grown by anodization of sputtered and evaporated Ti layers: A comparative photoelectrochemical study. <i>Chemical Engineering Journal</i> , 2017 , 308, 745-753	14.7	26
77	Formation of a Non-Thickness-Limited Titanium Dioxide Mesosponge and its Use in Dye-Sensitized Solar Cells. <i>Angewandte Chemie</i> , 2009 , 121, 9490-9493	3.6	26
76	Tuning the Selectivity of Photocatalytic Synthetic Reactions Using Modified TiO ₂ Nanotubes. <i>Angewandte Chemie</i> , 2014 , 126, 12813-12816	3.6	25
75	Anodic growth of hierarchically structured nanotubular ZnO architectures on zinc surfaces using a sulfide based electrolyte. <i>Electrochemistry Communications</i> , 2013 , 34, 9-13	5.1	24
74	Catalyst-Doped Anodic TiO ₂ Nanotubes: Binder-Free Electrodes for (Photo)Electrochemical Reactions. <i>Catalysts</i> , 2018 , 8, 555	4	23
73	Topographical study of TiO ₂ nanostructure surface for photocatalytic hydrogen production. <i>Electrochimica Acta</i> , 2015 , 179, 423-430	6.7	22
72	Controlled Thermal Annealing Tunes the Photoelectrochemical Properties of Nanochanneled Tin-Oxide Structures. <i>ChemElectroChem</i> , 2014 , 1, 1133-1137	4.3	22
71	Microwave synthesized nano-photosensitizer of CdS QD/MoO ₃ /g-C ₃ N ₄ heterojunction catalyst for hydrogen evolution under full-spectrum light. <i>Ceramics International</i> , 2020 , 46, 28467-28480	5.1	22
70	Optimization of N doping in TiO nanotubes for the enhanced solar light mediated photocatalytic H ₂ production and dye degradation. <i>Environmental Pollution</i> , 2021 , 269, 116170	9.3	22
69	High-temperature annealing of TiO ₂ nanotube membranes for efficient dye-sensitized solar cells. <i>Semiconductor Science and Technology</i> , 2016 , 31, 014010	1.8	21
68	Formation of highly ordered VO ₂ nanotubular/nanoporous layers and their supercooling effect in phase transitions. <i>Advanced Materials</i> , 2012 , 24, 1571-5	24	21
67	Rapid anodic formation of high aspect ratio WO ₃ layers with self-ordered nanochannel geometry and use in photocatalysis. <i>Chemistry - A European Journal</i> , 2012 , 18, 14622-6	4.8	21
66	Self-organization and zinc doping of Ga ₂ O ₃ nanoporous architecture: A potential nano-photogenerator for hydrogen. <i>Electrochemistry Communications</i> , 2013 , 35, 112-115	5.1	20
65	Dewetted Au films form a highly active photocatalytic system on TiO ₂ nanotube-stumps. <i>Electrochemistry Communications</i> , 2013 , 34, 351-355	5.1	20

64	Insights into the interfacial nanostructuring of NiCoS and their electrochemical activity for ultra-high capacity all-solid-state flexible asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019 , 557, 423-437	9.3	19
63	Excited state properties of anodic TiO ₂ nanotubes. <i>Applied Physics Letters</i> , 2013 , 102, 233109	3.4	18
62	Ordered "superlattice" TiO ₂ /Nb ₂ O ₅ nanotube arrays with improved ion insertion stability. <i>Chemical Communications</i> , 2013 , 49, 460-2	5.8	17
61	Photocatalytic H ₂ production on self-decorated Au nanoparticles/TiO ₂ nanotubes under visible light. <i>Electrochemistry Communications</i> , 2014 , 43, 105-108	5.1	16
60	Self-organized cobalt fluoride nanochannel layers used as a pseudocapacitor material. <i>Chemical Communications</i> , 2014 , 50, 7067-70	5.8	16
59	Fabrication of epitaxial nanostructured ferroelectrics and investigation of their domain structures. <i>Journal of Materials Science</i> , 2009 , 44, 5167-5181	4.3	16
58	Mesostructured g-C ₃ N ₄ nanosheets interconnected with V ₂ O ₅ nanobelts as electrode for coin-cell-type-asymmetric supercapacitor device. <i>Materials Today Energy</i> , 2021 , 21, 100699	7	16
57	Anodic self-organized transparent nanotubular/porous hematite films from Fe thin-films sputtered on FTO and photoelectrochemical water splitting. <i>Research on Chemical Intermediates</i> , 2015 , 41, 9333-9341	2.8	15
56	Comparison of Anodic TiO ₂ -Nanotube Membranes used for Frontside-Illuminated Dye-Sensitized Solar Cells. <i>ChemElectroChem</i> , 2015 , 2, 204-207	4.3	15
55	Efficient synthetic approach for nanoporous adsorbents capable of pre- and post-combustion CO ₂ capture and selective gas separation. <i>Journal of CO₂ Utilization</i> , 2021 , 45, 101404	7.6	15
54	Effective synthesis route of renewable nanoporous carbon adsorbent for high energy gas storage and CO ₂ /N ₂ selectivity. <i>Renewable Energy</i> , 2020 , 161, 30-42	8.1	14
53	Monodispersed core/shell nanospheres of ZnS/NiO with enhanced H generation and quantum efficiency at versatile photocatalytic conditions. <i>Journal of Hazardous Materials</i> , 2021 , 413, 125359	12.8	14
52	Self-assembly of NiMoO ₄ nanoparticles on the ordered NiCo ₂ O ₄ ultra-thin nanoflakes core-shell electrode for high energy density supercapacitors and efficient oxygen evolution reaction. <i>Ceramics International</i> , 2020 , 46, 22837-22845	5.1	13
51	Bottom sealing and photoelectrochemical properties of different types of anodic TiO ₂ nanotubes. <i>Electrochimica Acta</i> , 2013 , 100, 229-235	6.7	13
50	Tuning the selectivity of photocatalytic synthetic reactions using modified TiO ₂ nanotubes. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12605-8	16.4	13
49	Highly reversible crystal transformation of anodized porous V ₂ O ₅ nanostructures for wide potential window high-performance supercapacitors. <i>Electrochimica Acta</i> , 2020 , 334, 135618	6.7	13
48	Recent advances in water-splitting electrocatalysts based on manganese oxide. <i>Carbon Resources Conversion</i> , 2019 , 2, 242-255	4.7	13
47	Double-Side Co-Catalytic Activation of Anodic TiO Nanotube Membranes with Sputter-Coated Pt for Photocatalytic H Generation from Water/Methanol Mixtures. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 314-323	4.5	12

46	Phase-tuned nanoporous vanadium pentoxide as binder-free cathode for lithium ion battery. <i>Electrochimica Acta</i> , 2020 , 330, 135192	6.7	12
45	ZnO@TiO ₂ Colloidal Nanocrystal Clusters as Efficient and Durable Bifunctional Electrocatalysts For Full Water Splitting. <i>ChemNanoMat</i> , 2019 , 5, 761-765	3.5	11
44	Front side illuminated dye-sensitized solar cells using anodic TiO ₂ mesoporous layers grown on FTO-glass. <i>Electrochemistry Communications</i> , 2012 , 22, 157-161	5.1	11
43	Nitrates: A new class of electrolytes for the rapid anodic growth of self-ordered oxide nanopore layers on Ti and Ta. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011 , 5, 394-396	2.5	11
42	Facile synthesis of Ce-doped Kobalt hydroxide nanoflakes battery type electrode with an enhanced capacitive contribution for asymmetric supercapacitors. <i>Journal of Energy Storage</i> , 2020 , 28, 101227	7.8	10
41	Self-Organized Arrays of Single-Metal Catalyst Particles in TiO ₂ Cavities: A Highly Efficient Photocatalytic System. <i>Angewandte Chemie</i> , 2013 , 125, 7662-7665	3.6	10
40	Anodic Formation of Self-Organized Cobalt Oxide Nanoporous Layers. <i>Angewandte Chemie</i> , 2013 , 125, 2131-2135	3.6	10
39	Enhancement of photoelectrochemical properties with Fe ₂ O ₃ on surface modified FTO substrates. <i>Ceramics International</i> , 2020 , 46, 20012-20019	5.1	9
38	Photoelectrochemical Properties of Anodic TiO ₂ Nanosponge Layers. <i>ECS Electrochemistry Letters</i> , 2012 , 2, H9-H11		9
37	Magnetoelectric complex-oxide heterostructures. <i>Philosophical Magazine Letters</i> , 2007 , 87, 155-164	1	9
36	Biobased derived nanoporous carbon for hydrogen isotope separation. <i>Microporous and Mesoporous Materials</i> , 2020 , 304, 109291	5.3	9
35	Self-sealing anodization approach to enhance micro-Vickers hardness and corrosion protection of a die cast Al alloy. <i>Journal of Physics and Chemistry of Solids</i> , 2017 , 103, 87-94	3.9	8
34	Redox-state modulated ORR activity of Cd-based Prussian blue analog frameworks transformed via anion exchange with controlled redox-state from CdCO ₃ cuboids. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 847, 113179	4.1	8
33	Embedded Palladium Activation as a Facile Method for TiO ₂ -Nanotube Nanoparticle Decoration: Cu ₂ O-Induced Visible-Light Photoactivity. <i>ChemistryOpen</i> , 2013 , 2, 21-4	2.3	8
32	Electrochemically Assisted Self-Assembling of ZnF ₂ -ZnO Nanospheres: Formation of Hierarchical Thin Porous Films. <i>ECS Electrochemistry Letters</i> , 2013 , 3, E1-E3		8
31	Through-hole, self-ordered nanoporous oxide layers on titanium, niobium and titanium-niobium alloys in aqueous and organic nitrate electrolytes. <i>ChemistryOpen</i> , 2012 , 1, 21-5	2.3	8
30	Boosted photocatalytic hydrogen evolution by tuning inner pore size and co-catalyst thickness of the anodic TiO ₂ nanotubes. <i>Catalysis Today</i> , 2021 , 359, 3-8	5.3	8
29	Single-Step Anodization for the Formation of WO ₃ -Doped TiO ₂ Nanotubes Toward Enhanced Electrochromic Performance. <i>ChemElectroChem</i> , 2018 , 5, 3379-3382	4.3	7

28	Templating Using Self-Aligned TiO ₂ Nanotube Stumps: Highly Ordered Metal and Polymer Bumped Arrays. <i>ChemElectroChem</i> , 2014 , 1, 64-66	4.3	6
27	Signal Amplification Strategy Based on TiO ₂ -Nanotube Layers and Nanobeads Carrying Quantum Dots for Electrochemiluminescent Immunosensors. <i>ChemistryOpen</i> , 2013 , 2, 93-8	2.3	6
26	Transparent Self-Ordered Niobium-Oxide Nanochannel Layers Formed on Conducting Glass by Total Anodization of Thin Metal Films in Glycerol/Phosphate Electrolyte. <i>ECS Electrochemistry Letters</i> , 2012 , 2, C4-C6		6
25	Tailoring the Composition of Ternary Layered Double Hydroxides for Supercapacitors and Electrocatalysis. <i>Energy & Fuels</i> , 2021 , 35, 9660-9668	4.1	6
24	Electric field-driven one-step formation of vertical p/n junction TiO ₂ nanotubes exhibiting strong photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 2239-2247	13	6
23	Electrochromic and pseudocapacitive behavior of hydrothermally grown WO ₃ nanostructures. <i>Thin Solid Films</i> , 2020 , 709, 138214	2.2	5
22	Electrochemical detection of 2,4,6-trinitrotoluene reduction in aqueous solution by using highly ordered 1D TiO ₂ nanotube arrays. <i>Materials Today Communications</i> , 2020 , 25, 101389	2.5	4
21	Formation of aluminum oxide nanostructures via anodization of Al3104 alloy and their wettability behavior for self-cleaning application. <i>Catalysis Today</i> , 2021 , 359, 50-56	5.3	4
20	Influence of geometry and crystal structures of TiO ₂ nanotubes on micro Vickers hardness. <i>Materials Letters</i> , 2017 , 192, 137-141	3.3	3
19	Mesoporous design of ultrathin NiO nanosheet-coated vertically aligned hexagonal CoS nanoplate core-shell array for flexible all-solid-state supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021 , 863, 158064	5.7	3
18	Energy and environmental applications of Sn/Ti doped FeO@CuO/CuO photoanode under optimized photoelectrochemical conditions. <i>Environmental Pollution</i> , 2021 , 271, 116318	9.3	3
17	Reliable Metal Deposition into TiO ₂ Nanotubes for Leakage-Free Interdigitated Electrode Structures and Use as a Memristive Electrode. <i>Angewandte Chemie</i> , 2013 , 125, 12607-12610	3.6	2
16	Nanostructured cobalt-based metal-organic framework/cadmium sulfide electrocatalyst for enhanced oxygen evolution reaction and anion exchange membrane-based water electrolysis: Synergistic effect. <i>Journal of Power Sources</i> , 2022 , 527, 231151	8.9	2
15	Enhanced light absorption and charge separation of In-doped ZnO nanorod arrays for photoelectrochemical water-splitting application. <i>International Journal of Energy Research</i> , 2022 , 46, 6264-6276	4.5	2
14	Understanding the Formation of Anodic Nanoporous TiO ₂ Structures in a Hot Glycerol/Phosphate Electrolyte. <i>Journal of the Electrochemical Society</i> , 2017 , 164, E5-E10	3.9	1
13	Electrochemical characteristic assessments toward 2,4,6-trinitrotoluene using anodic TiO ₂ nanotube arrays. <i>Electrochemistry Communications</i> , 2022 , 135, 107214	5.1	1
12	Sonochemically synthesized nanostructured ternary electrode material for coin-cell-type supercapacitor applications. <i>FlatChem</i> , 2021 , 30, 100304	5.1	1
11	Photoelectrochemical H ₂ evolution on WO ₃ /BiVO ₄ enabled by single-crystalline TiO ₂ overlayer modulations. <i>Nanoscale</i> , 2021 , 13, 16932-16941	7.7	1

10	Controlling the geometric design of anodic 1D TiO ₂ nanotubes for the electrochemical reduction of 2,4,6-trinitrotoluene in ambient conditions. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 900, 115717	4.1	1
9	Chemical-bath-deposited rutile TiO ₂ film for electrochemical detection of 2,4,6-trinitrotoluene. <i>Thin Solid Films</i> , 2022 , 748, 139172	2.2	1
8	Boosting the oxygen evolution reaction performance of wrinkled Mn(OH) ₂ via conductive activation with a carbon binder. <i>Journal of Energy Chemistry</i> , 2022 , 71, 580-587	12	1
7	Decoration of X ₂ C nanoparticles on CdS nanostructures for highly efficient photocatalytic wastewater treatment under visible light. <i>Applied Surface Science</i> , 2022 , 583, 152533	6.7	0
6	Photoelectrochemical water oxidation in anodic TiO ₂ nanotubes array: Importance of mass transfer. <i>Electrochemistry Communications</i> , 2021 , 132, 107133	5.1	0
5	Electrochemical Anodic Formation of VO ₂ Nanotubes and Hydrogen Sorption Property. <i>Journal of Electrochemical Science and Technology</i> , 2021 , 12, 212-216	3.2	0
4	Controlled synthesis and structural modulation to boost intrinsic photocatalytic activity of BiVO ₄ . <i>CrystEngComm</i> , 2022 , 24, 2686-2696	3.3	0
3	Crystallization of Amorphous TiO ₂ Nanotubes: A Real-Time Synchrotron X-ray Scattering Study. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 7824-7827	1.3	
2	Phase Separated Microstructure and Its Stability in InGaAs Epitaxial Layers Grown by LPE. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 326, 109		
1	Upgraded charge transport in g-C ₃ N ₄ nanosheets by boron doping and their heterojunction with 3D CdIn ₂ S ₄ for efficient photodegradation of azo dye. <i>Materials Today Chemistry</i> , 2022 , 24, 100857	6.2	