In Sun Cho

List of Publications by Year
in descending order

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138 papers	7,514 citations	47 h-index	83 g-index
		47006	56724
148 all docs	148 docs citations	148 times ranked	10168 citing authors

#	Article	IF	Citations
1	Branched TiO₂ Nanorods for Photoelectrochemical Hydrogen Production. Nano Letters, 2011, 11, 4978-4984.	9.1	843
2	Simultaneously Efficient Light Absorption and Charge Separation in WO₃/BiVO₄ Core/Shell Nanowire Photoanode for Photoelectrochemical Water Oxidation. Nano Letters, 2014, 14, 1099-1105.	9.1	652
3	Boosting the solar water oxidation performance of a BiVO₄ photoanode by crystallographic orientation control. Energy and Environmental Science, 2018, 11, 1299-1306.	30.8	330
4	Codoping titanium dioxide nanowires with tungsten and carbon for enhanced photoelectrochemical performance. Nature Communications, 2013, 4, 1723.	12.8	249
5	Rapid and Controllable Flame Reduction of TiO₂ Nanowires for Enhanced Solar Water-Splitting. Nano Letters, 2014, 14, 24-31.	9.1	180
6	Reduced Graphene Oxide/Mesoporous TiO₂ Nanocomposite Based Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 23521-23526.	8.0	180
7	Two-Step Solâ"Gel Method-Based TiO₂ Nanoparticles with Uniform Morphology and Size for Efficient Photo-Energy Conversion Devices. Chemistry of Materials, 2010, 22, 1958-1965.	6.7	166
8	BiVO₄/WO₃/SnO₂ Double-Heterojunction Photoanode with Enhanced Charge Separation and Visible-Transparency for Bias-Free Solar Water-Splitting with a Perovskite Solar Cell. ACS Applied Materials & Interfaces, 2017, 9, 1479-1487.	8.0	158
9	Enhancing Lowâ€Bias Performance of Hematite Photoanodes for Solar Water Splitting by Simultaneous Reduction of Bulk, Interface, and Surface Recombination Pathways. Advanced Energy Materials, 2016, 6, 1501840.	19.5	152
10	Hybrid Si Microwire and Planar Solar Cells: Passivation and Characterization. Nano Letters, 2011, 11, 2704-2708.	9.1	151
11	Improved Quantum Efficiency of Highly Efficient Perovskite BaSnO₃-Based Dye-Sensitized Solar Cells. ACS Nano, 2013, 7, 1027-1035.	14.6	150
12	Synthesis of Cu₂PO₄OH Hierarchical Superstructures with Photocatalytic Activity in Visible Light. Advanced Functional Materials, 2008, 18, 2154-2162.	14.9	141
13	Photophysical, Photoelectrochemical, and Photocatalytic Properties of Novel SnWO₄ Oxide Semiconductors with Narrow Band Gaps. Journal of Physical Chemistry C, 2009, 113, 10647-10653.	3.1	136
14	Al-Doped ZnO Thin Film: A New Transparent Conducting Layer for ZnO Nanowire-Based Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2010, 114, 7185-7189.	3.1	134
15	One-Step Hydrothermal Deposition of Ni:FeOOH onto Photoanodes for Enhanced Water Oxidation. ACS Energy Letters, 2016, 1, 624-632.	17.4	122
16	Titanium incorporation into hematite photoelectrodes: theoretical considerations and experimental observations. Energy and Environmental Science, 2014, 7, 3100-3121.	30.8	118
17	Energy-level engineering of the electron transporting layer for improving open-circuit voltage in dye and perovskite-based solar cells. Energy and Environmental Science, 2019, 12, 958-964.	30.8	116
18	Lowâ€Temperature Hydrothermal Synthesis of Pure BiFeO₃ Nanopowders Using Triethanolamine and Their Applications as Visibleâ€Light Photocatalysts. Journal of the American Ceramic Society, 2008, 91, 3753-3755.	3.8	112

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19	RbBaPO₄:Eu²⁺: a new alternative blue-emitting phosphor for UV-based white light-emitting diodes. Journal of Materials Chemistry C, 2013, 1, 500-505.	5.5	96
20	Highly Efficient Solar Water Splitting from Transferred TiO₂ Nanotube Arrays. Nano Letters, 2015, 15, 5709-5715.	9.1	95
21	A Zn:BiVO₄/Mo:BiVO₄ homojunction as an efficient photoanode for photoelectrochemical water splitting. Journal of Materials Chemistry A, 2019, 7, 9019-9024.	10.3	86
22	Flame synthesis of WO3 nanotubes and nanowires for efficient photoelectrochemical water-splitting. Proceedings of the Combustion Institute, 2013, 34, 2187-2195.	3.9	83
23	Simple synthesis and characterization of SrSnO3 nanoparticles with enhanced photocatalytic activity. International Journal of Hydrogen Energy, 2012, 37, 10557-10563.	7.1	79
24	BaSnO₃ Perovskite Nanoparticles for High Efficiency Dyeâ€Sensitized Solar Cells. ChemSusChem, 2013, 6, 449-454.	6.8	78
25	Sintering, microstructure and microwave dielectric properties of rare earth orthophosphates, RePO4 (Re=La, Ce, Nd, Sm, Tb, Dy, Y, Yb). Materials Research Bulletin, 2009, 44, 173-178.	5.2	74
26	Wolframite-type ZnWO₄ Nanorods as New Anodes for Li-Ion Batteries. Journal of Physical Chemistry C, 2011, 115, 16228-16233.	3.1	74
27	Synthesis and photovoltaic property of fine and uniform Zn₂SnO₄nanoparticles. Nanoscale, 2012, 4, 557-562.	5.6	71
28	Effects of crystal and electronic structures of ANb2O6 (A=Ca, Sr, Ba) metaniobate compounds on their photocatalytic H2 evolution from pure water. International Journal of Hydrogen Energy, 2010, 35, 12954-12960.	7.1	69
29	Facile hydrothermal synthesis of porous TiO₂nanowire electrodes with high-rate capability for Li ion batteries. Nanotechnology, 2010, 21, 255706.	2.6	68
30	Electronic band structures and photovoltaic properties of MWO4 (M=Zn, Mg, Ca, Sr) compounds. Journal of Solid State Chemistry, 2011, 184, 2103-2107.	2.9	68
31	Peel-and-Stick: Fabricating Thin Film Solar Cell on Universal Substrates. Scientific Reports, 2012, 2, 1000.	3.3	66
32	High-Performance Ultrathin BiVO₄ Photoanode on Textured Polydimethylsiloxane Substrates for Solar Water Splitting. ACS Energy Letters, 2016, 1, 68-75.	17.4	66
33	Effect of oxygen vacancies on the band edge properties of WO3 producing enhanced photocurrents. Electrochimica Acta, 2019, 296, 517-527.	5.2	66
34	Influence of nitrogen chemical states on photocatalytic activities of nitrogen-doped TiO2 nanoparticles under visible light. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 213, 129-135.	3.9	65
35	Rapid Flame-Annealed CuFe₂O₄ as Efficient Photocathode for Photoelectrochemical Hydrogen Production. ACS Sustainable Chemistry and Engineering, 2019, 7, 5867-5874.	6.7	65
36	Low-temperature sintering and microwave dielectric properties of BaOÂ·(Nd1â^'xBix)2O3Â·4TiO2 by the glass additions. Ceramics International, 2004, 30, 1181-1185.	4.8	61

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37	Functional Multilayered Transparent Conducting Oxide Thin Films for Photovoltaic Devices. Journal of Physical Chemistry C, 2009, 113, 1083-1087.	3.1	60
38	A tree-like nanoporous WO₃ photoanode with enhanced charge transport efficiency for photoelectrochemical water oxidation. Journal of Materials Chemistry A, 2015, 3, 12920-12926.	10.3	60
39	Peel-and-Stick: Mechanism Study for Efficient Fabrication of Flexible/Transparent Thin-film Electronics. Scientific Reports, 2013, 3, 2917.	3.3	59
40	Enhanced Photocatalytic Activity of Ultrathin Ba₅Nb₄O₁₅ Two-Dimensional Nanosheets. ACS Applied Materials & Interfaces, 2015, 7, 21860-21867.	8.0	56
41	Effects of carbon content on the photocatalytic activity of C/BiVO4 composites under visible light irradiation. Materials Chemistry and Physics, 2010, 119, 106-111.	4.0	54
42	Tailoring the Morphology and Structure of Nanosized Zn₂SiO₄: Mn²⁺ Phosphors Using the Hydrothermal Method and Their Luminescence Properties. Journal of Physical Chemistry C, 2010, 114, 10330-10335.	3.1	54
43	Nanostructured Ti-doped hematite (Î±-Fe2O3) photoanodes for efficient photoelectrochemical water oxidation. International Journal of Hydrogen Energy, 2014, 39, 17501-17507.	7.1	52
44	Phase transformation and microwave dielectric properties of BiPO4 ceramics. Journal of Electroceramics, 2006, 16, 379-383.	2.0	51
45	Simple Large-Scale Synthesis of Hydroxyapatite Nanoparticles: In Situ Observation of Crystallization Process. Langmuir, 2010, 26, 384-388.	3.5	49
46	Epitaxial 1D electron transport layers for high-performance perovskite solar cells. Nanoscale, 2015, 7, 15284-15290.	5.6	49
47	Sol-Flame Synthesis: A General Strategy To Decorate Nanowires with Metal Oxide/Noble Metal Nanoparticles. Nano Letters, 2013, 13, 855-860.	9.1	48
48	Visible-Light-Induced Photocatalytic Activity in FeNbO₄ Nanoparticles. Journal of Physical Chemistry C, 2008, 112, 18393-18398.	3.1	45
49	Sol-flame synthesis of cobalt-doped TiO₂ nanowires with enhanced electrocatalytic activity for oxygen evolution reaction. Physical Chemistry Chemical Physics, 2014, 16, 12299-12306.	2.8	44
50	Photophysical and Photocatalytic Properties of Ag₂M₂O₇ (M=Mo, W). Journal of the American Ceramic Society, 2010, 93, 3867-3872.	3.8	41
51	Preparation and photoluminescence properties of Î³-KCaPO4: Eu2+ phosphors for near UV-based white LEDs. Optical Materials, 2011, 33, 1036-1040.	3.6	41
52	Enhanced photoluminescence property of Dy3+ co-doped BaAl2O4:Eu2+ green phosphors. Ceramics International, 2012, 38, 443-447.	4.8	40
53	Preparation, electrical and electrochemical characterizations of CuCoNiFeMn high-entropy-alloy for overall water splitting at neutral-pH. Journal of Materials Chemistry A, 2021, 9, 16841-16851.	10.3	37
54	Synthesis of Heterogeneous Li4Ti5O12 Nanostructured Anodes with Long-Term Cycle Stability. Nanoscale Research Letters, 2010, 5, 1585-1589.	5.7	36

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55	Indiumâ˜Tinâ˜Oxide-Based Transparent Conducting Layers for Highly Efficient Photovoltaic Devices. Journal of Physical Chemistry C, 2009, 113, 7443-7447.	3.1	35
56	A novel blue-emitting NaSrPO4:Eu2+ phosphor for near UV based white light-emitting-diodes. Materials Letters, 2011, 65, 1666-1668.	2.6	34
57	Indiumâ€“Tinâ€“Oxide Nanowire Array Based CdSe/CdS/TiO₂ One-Dimensional Heterojunction Photoelectrode for Enhanced Solar Hydrogen Production. ACS Sustainable Chemistry and Engineering, 2016, 4, 1161-1168.	6.7	33
58	Optical properties and visible light-induced photocatalytic activity of bismuth sillenites (Bi12XO20, X =) Tj ETQq0 0 0 rgBT /Overlock 10	4.8	31
59	Li electroactivity of iron (II) tungstate nanorods. Nanotechnology, 2010, 21, 465602.	2.6	30
60	Preparation, Characterization, and Photocatalytic Properties of CaNb₂O₆ Nanoparticles. Journal of the American Ceramic Society, 2009, 92, 506-510.	3.8	28
61	SrNb2O6 nanotubes with enhanced photocatalytic activity. Journal of Materials Chemistry, 2010, 20, 3979.	6.7	28
62	Photophysical and photocatalytic water splitting performance of stibiotantalite type-structure compounds, SbMO4 (MÂ=ÂNb, Ta). International Journal of Hydrogen Energy, 2012, 37, 16895-16902.	7.1	28
63	Solution-processed TiO2/BiVO4/SnO2 triple-layer photoanode with enhanced photoelectrochemical performance. Journal of Alloys and Compounds, 2019, 785, 1245-1252.	5.5	27
64	(0 2 0)-Textured tungsten trioxide nanostructure with enhanced photoelectrochemical activity. Journal of Catalysis, 2020, 389, 328-336.	6.2	27
65	Low temperature sintering and microwave dielectric properties of Ba3Ti5Nb6O28 with ZnOâ€“B2O3 glass additions for LTCC applications. Journal of the European Ceramic Society, 2007, 27, 3075-3079.	5.7	26
66	Mixture behavior and microwave dielectric properties of (1â˜x)Ca2P2O7â€“xTiO2. Journal of the European Ceramic Society, 2006, 26, 2007-2010.	5.7	25
67	Nanodome Structured BiVO₄/GaO_xN_{1â˜}_x Photoanode for Solar Water Oxidation. Advanced Materials Interfaces, 2017, 4, 1700323.	3.7	25
68	Shrinking and Growing: Grain Boundary Density Reduction for Efficient Polysilicon Thin-Film Solar Cells. Nano Letters, 2012, 12, 6485-6491.	9.1	24
69	Synthesis, characterization and photocatalytic properties of CaNb2O6 with ellipsoid-like plate morphology. Solid State Sciences, 2010, 12, 982-988.	3.2	22
70	Fine tuning of emission property of white light-emitting diodes by quantum-dot-coating on YAG:Ce nanophosphors. Applied Surface Science, 2016, 379, 467-473.	6.1	22
71	Niobium incorporated WO3 nanotriangles: Band edge insights and improved photoelectrochemical water splitting activity. Ceramics International, 2019, 45, 8157-8165.	4.8	22
72	Facile and controllable surface-functionalization of TiO2 nanotubes array for highly-efficient photoelectrochemical water-oxidation. Journal of Catalysis, 2018, 365, 138-144.	6.2	21

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73	ZrO2 Nanoparticle Embedded Low Silver Lead Free Solder Alloy for Modern Electronic Devices. Electronic Materials Letters, 2019, 15, 27-35.	2.2	21
74	Luminescent properties of phosphor converted LED using an orange-emitting Rb2CaP2O7:Eu2+ phosphor. Materials Research Bulletin, 2012, 47, 4522-4526.	5.2	20
75	Reducing minimum flash ignition energy of Al microparticles by addition of WO3 nanoparticles. Applied Physics Letters, 2013, 102, .	3.3	20
76	High-performance bulky crystalline copper bismuthate photocathode for enhanced solar water splitting. Nano Energy, 2021, 80, 105568.	16.0	20
77	Using a CeO2 quantum dot hole extraction-layer for enhanced solar water splitting activity of BiVO4 photoanodes. Chemical Engineering Journal, 2022, 450, 137917.	12.7	20
78	Sintering Behavior and Microwave Dielectric Properties of Tricalcium Phosphate Polymorphs. Japanese Journal of Applied Physics, 2007, 46, 2999-3003.	1.5	19
79	CdS-sensitized 1-D single-crystalline anatase TiO2 nanowire arrays for photoelectrochemical hydrogen production. International Journal of Hydrogen Energy, 2015, 40, 863-869.	7.1	18
80	Point-defect engineering of nanoporous CuBi2O4 photocathode via rapid thermal processing for enhanced photoelectrochemical activity. Journal of Energy Chemistry, 2022, 71, 201-209.	12.9	18
81	Correlation of anatase particle size with photocatalytic properties. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 2288-2291.	1.8	17
82	Photophysical and Photocatalytic Properties of <scp><scp>Zn</scp>₃<scp>M</scp>₂<scp>O</scp>₈</scp> (MÂ=Â<scp><scp>Nb</scp></scp>, <scp><scp>Ta</scp></scp>). Journal of the American Ceramic Society, 2012, 95, 227-231.	3.8	17
83	Copper phosphate compounds with visibleâ€toâ€nearâ€infraredâ€active photoâ€fentonâ€like photocatalytic properties. Journal of the American Ceramic Society, 2020, 103, 5120-5128.	3.8	17
84	Facile fabrication of nanotubular heterostructure for enhanced photoelectrochemical performance. Ceramics International, 2021, 47, 3972-3977.	4.8	17
85	Heterojunction Fe2O3-SnO2 Nanostructured Photoanode for Efficient Photoelectrochemical Water Splitting. Jom, 2014, 66, 664-669.	1.9	16
86	Solution synthesis and activation of spinel CuAl2O4 film for solar water-splitting. Journal of Catalysis, 2021, 400, 218-227.	6.2	16
87	Synthesis and photoactivity of hetero-nanostructured SrTiO3. Journal of the Ceramic Society of Japan, 2010, 118, 876-880.	1.1	15
88	Investigation of crystal/electronic structure effects on the photoluminescence properties in the BaOâ€“SiO2:Eu2+ systems. Journal of Luminescence, 2012, 132, 375-380.	3.1	15
89	Sol-flame synthesis of hybrid metal oxide nanowires. Proceedings of the Combustion Institute, 2013, 34, 2179-2186.	3.9	15
90	Improving p-to-n transition and detection range of bimodal hydrogen-sensitive nanohybrids of hole-doped rGO and chemochromic Pd-decorated-MoO3 nanoflakes. Journal of Alloys and Compounds, 2019, 774, 111-121.	5.5	15

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91	Effects of cobalt oxide catalyst on pyrolysis of polyester fiber. Korean Journal of Chemical Engineering, 2022, 39, 3343-3349.	2.7	15
92	Microwave dielectric properties and Far-infrared spectroscopic analysis of Ba5+nTinNb4O15+3n (0.3<n<1.2) ceramics. Journal of the European Ceramic Society, 2007, 27, 3081-3086.	5.7	14
93	Photoluminescence and electrical properties of epitaxial Alâ€doped ZnO transparent conducting thin films. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2133-2138.	1.8	14
94	Enhancing the Densification of Nanocrystalline TiO₂ by Reduction in Spark Plasma Sintering. Journal of the American Ceramic Society, 2010, 93, 993-997.	3.8	14
95	Facile hydrothermal synthesis of InVO4 microspheres and their visible-light photocatalytic activities. Materials Letters, 2012, 72, 98-100.	2.6	14
96	Lowâ€Temperature Synthesis of Phaseâ€Pure 0Dâ€“1D BaTiO₃ Nanostructures Using H₂Ti₃O₇ Templates. European Journal of Inorganic Chemistry, 2010, 2010, 1343-1347.	2.0	13
97	Synthesis and Characteristics of Tb-Doped Y₂SiO₅ Nanophosphors and Luminescent Layer for Enhanced Photovoltaic Cell Performance. Journal of Nanoscience and Nanotechnology, 2011, 11, 8748-8753.	0.9	13
98	Growth of anatase and rutile TiO2@Sb:SnO2 heterostructures and their application in photoelectrochemical water splitting. International Journal of Hydrogen Energy, 2014, 39, 17508-17516.	7.1	13
99	Facile synthesis and electroactivity of 3-D hierarchically superstructured cobalt orthophosphate for lithium-ion batteries. Journal of Alloys and Compounds, 2015, 652, 100-105.	5.5	13
100	Photophysical properties and photoelectrochemical performances of sol-gel derived copper stannate (CuSnO3) amorphous semiconductor for solar water splitting application. Ceramics International, 2018, 44, 1843-1849.	4.8	13
101	Dual textured BiVO4/Sb:SnO2 heterostructure for enhanced photoelectrochemical Water-splitting. Chemical Engineering Journal, 2022, 435, 135183.	12.7	13
102	Hydrothermal synthesis and electrochemical properties of FeNbO₄ nanospheres. Journal of the Ceramic Society of Japan, 2012, 120, 82-85.	1.1	12
103	Direct Low-Temperature Growth of Single-Crystalline Anatase TiO₂ Nanorod Arrays on Transparent Conducting Oxide Substrates for Use in PbS Quantum-Dot Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 10324-10330.	8.0	12
104	Growth of ZnO thin film on graphene transferred Si (100) substrate. Thin Solid Films, 2016, 619, 68-72.	1.8	12
105	Hydrothermal Synthesis, Characterization and Photocatalytic Properties of Cu₂PO₄OH with Hierarchical Morphologies. Journal of Nanoscience and Nanotechnology, 2010, 10, 1185-1190.	0.9	11
106	Wet-chemical preparation of barium magnesium orthophosphate, Ba2Mg(PO4)2:Eu2+, nanorod phosphor with enhanced optical and photoluminescence properties. RSC Advances, 2016, 6, 61378-61385.	3.6	11
107	Effects of Mg and Sr co-addition on the densification and biocompatible properties of calcium pyrophosphate. Ceramics International, 2018, 44, 9689-9695.	4.8	11
108	Bismuth vanadate photoanode synthesized by electron-beam evaporation of a single precursor source for enhanced solar water-splitting. Applied Surface Science, 2020, 528, 146906.	6.1	11

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109	Sharp-edged nanoflakes array of CuO with enhanced optical and charge transport properties for Bias-Free tandem solar Water-splitting. Applied Surface Science, 2022, 585, 152632.	6.1	11
110	Anionic Ligand Assisted Synthesis of 3-D Hollow TiO₂ Architecture with Enhanced Photoelectrochemical Performance. Langmuir, 2014, 30, 15531-15539.	3.5	10
111	Facile Hydrothermal Synthesis of SrNb₂O₆Nanotubes with Rhombic Cross Sections. Crystal Growth and Design, 2010, 10, 2447-2450.	3.0	9
112	Plasmon-enhanced ZnO nanorod/Au NPs/Cu2O structure solar cells: Effects and limitations. Korean Journal of Chemical Engineering, 2017, 34, 3200-3207.	2.7	9
113	Controlled synthesis and Li-electroactivity of rutile TiO2 nanostructure with walnut-like morphology. Dalton Transactions, 2013, 42, 4278.	3.3	8
114	Facile transfer fabrication of transparent, conductive and flexible In2O3:Sn (ITO) nanowire arrays electrode via selective wet-etching ZnO sacrificial layer. Materials Letters, 2015, 158, 304-308.	2.6	8
115	Position-selective metal oxide nano-structures using graphene catalyst for gas sensors. Carbon, 2017, 125, 221-226.	10.3	8
116	Sintering behavior and dielectric properties of A3(PO4)2 compounds (A = Ca, Sr, Ba, Mg, Zn, Ni, Cu). Materials Science in Semiconductor Processing, 2022, 148, 106793.	4.0	8
117	Investigation of microwave dielectric properties in the BaOâ€“Nb2O5â€“P2O5 system. Journal of Electroceramics, 2009, 23, 154-158.	2.0	7
118	Electronic Band Structure, Optical Properties, and Photocatalytic Hydrogen Production of Barium Niobium Phosphate Compounds (BaOâ€“Nb₂O₅â€“P₂O₅). European Journal of Inorganic Chemistry, 2011, 2011, 2206-2210.	2.0	7
119	Transparent-conducting-oxide nanowire arrays for efficient photoelectrochemical energy conversion. Nanoscale, 2014, 6, 8649.	5.6	7
120	Epitaxial Anatase TiO2Nanorods Array with Reduced Interfacial Charge Recombination for Solar Water Splitting. Journal of the Electrochemical Society, 2016, 163, H469-H473.	2.9	7
121	Three-Dimensional Hetero-Integration of Faceted GaN on Si Pillars for Efficient Light Energy Conversion Devices. ACS Nano, 2017, 11, 6853-6859.	14.6	7
122	Preparation of N-Doped CaNb₂O₆ Nanoplates with Ellipsoid-Like Morphology and Their Photocatalytic Activities Under Visible-Light Irradiation. Journal of Nanoscience and Nanotechnology, 2010, 10, 1196-1202.	0.9	6
123	Morphological control of heterostructured nanowires synthesized by sol-flame method. Nanoscale Research Letters, 2013, 8, 347.	5.7	6
124	Facile one-pot synthesis of self-assembled quantum-rod TiO2 spheres with enhanced charge transport properties for dye-sensitized solar cells and solar water-splitting. Journal of Alloys and Compounds, 2017, 697, 222-230.	5.5	6
125	Optical Properties, Electronic Structures, and Photocatalytic Performances of Bandgap-Tailored SrBi2Nb2â^'xVxO9 Compounds. Catalysts, 2019, 9, 393.	3.5	6
126	Enhancing Solar Water Splitting of Textured BiVO4 by Dual Effect of a Plasmonic Silver Nanoshell: Plasmon-Induced Light Absorption and Enhanced Hole Transport. ACS Applied Energy Materials, 2020, 3, 11886-11892.	5.1	6

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127	Glass-frit size dependence of densification behavior and mechanical properties of zinc aluminum calcium borosilicate glass-ceramics. Journal of Alloys and Compounds, 2016, 686, 95-100.	5.5	5
128	Photochemical tuning of ultrathin TiO2/p-Si p-n junction properties via UV-induced H doping. Electronic Materials Letters, 2017, 13, 107-113.	2.2	5
129	Rapid photocatalytic reduction of graphene oxide indirectly activated by the domino effect of ethanol oxidation on a titanium dioxide film. Materials Chemistry and Physics, 2018, 218, 289-295.	4.0	5
130	Surface Modified TiO2 Nanostructure with 3D Urchin-Like Morphology for Dye-Sensitized Solar Cell Application. Journal of Nanoscience and Nanotechnology, 2012, 12, 1305-1309.	0.9	4
131	Fabrication of TiO2/Tin-Doped Indium Oxide-Based Photoelectrode Coated with Overlayer Materials and Its Photoelectrochemical Behavior. Journal of Nanoscience and Nanotechnology, 2012, 12, 1390-1394.	0.9	4
132	Facile Preparation of TiO₂Nanobranch/Nanoparticle Hybrid Architecture with Enhanced Light Harvesting Properties for Dye-Sensitized Solar Cells. Journal of Nanomaterials, 2015, 2015, 1-9.	2.7	4
133	Thermal Evaporation Synthesis of Vertically Aligned Zn2SnO4/ZnO Radial Heterostructured Nanowires Array. Nanomaterials, 2021, 11, 1500.	4.1	4
134	Photophysical, optical, and photocatalytic hydrogen production properties of layered-type BaNb2-Ta P2O11 (xÂ=Â0, 0.5, 1.0, 1.5, and 2.0) compounds. Journal of Materials Science and Technology, 2022, 98, 26-32.	10.7	4
135	Synthesis and Characterization of Nano-Particulate BaTiO₃ for Ceramic/Polymer Composite Capacitor. Journal of Nanoscience and Nanotechnology, 2010, 10, 1361-1366.	0.9	3
136	Structural, optical, and electrical properties of tin iodide-based vacancy-ordered-double perovskites synthesized via mechanochemical reaction. Ceramics International, 2021, , .	4.8	2
137	Effects of CuO and V₂O₅ Addition on Sintering Behavior and Microwave Dielectric Properties of (1-x)Ca₂P₂O_{7-x}TiO₂. Key Engineering Materials, 2007, 336-338, 279-282.	0.4	0
138	Structure and dielectric properties of cubic Bi2(Zn1âˆ•3Ta2âˆ•3)2O7 thin films. Journal of Applied Physics, 2009, 106, .	2.5	0