Dhayalan Velauthapillai

List of Publications by Year
in descending order

148	2,777	201385 27	264894 42
papers	citations	h-index	g-index

151	151	151	2230
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	TiO2 as a Photocatalyst for Water Splittingâ€"An Experimental and Theoretical Review. Molecules, 2021, 26, 1687.	1.7	114
2	Size controlled synthesis of TiO 2 nanoparticles by modified solvothermal method towards effective photo catalytic and photovoltaic applications. Materials Research Bulletin, 2018, 97, 351-360.	2.7	111
3	Enhancement in the photostability of natural dyes for dye-sensitized solar cell (DSSC) applications: a review. International Journal of Energy Research, 2017, 41, 1372-1396.	2.2	83
4	Utilization of natural anthocyanin pigments as photosensitizers for dye-sensitized solar cells. Journal of Sol-Gel Science and Technology, 2013, 66, 212-219.	1.1	78
5	Natural dye (cyanidin 3-O-glucoside) sensitized nanocrystalline TiO2 solar cell fabricated using liquid electrolyte/quasi-solid-state polymer electrolyte. Renewable Energy, 2011, 36, 2484-2488.	4.3	74
6	Synthesis of highly active biocompatible ZrO2 nanorods using a bioextract. Ceramics International, 2020, 46, 25915-25920.	2.3	74
7	Structural, optical and magnetic properties of undoped NiO and Fe-doped NiO nanoparticles synthesized by wet-chemical process. Materials Characterization, 2016, 114, 166-171.	1.9	69
8	A first-principle study of the electronic, mechanical and optical properties of inorganic perovskite Cs2SnI6 for intermediate-band solar cells. Materials Letters, 2018, 218, 233-236.	1.3	61
9	Marigold flower like structured Cu2NiSnS4 electrode for high energy asymmetric solid state supercapacitors. Scientific Reports, 2020, 10, 19198.	1.6	61
10	Heterostructured SmCoO3/rGO composite for high-energy hybrid supercapacitors. Carbon, 2021, 172, 613-623.	5.4	59
11	Annealing temperature effect on cobalt ferrite nanoparticles for photocatalytic degradation. Chemosphere, 2021, 281, 130903.	4.2	54
12	Influence of tin (Sn) doping on Co3O4 for enhanced photocatalytic dye degradation. Chemosphere, 2021, 277, 130325.	4.2	51
13	Rare earth metal (Sm) doped zinc ferrite (ZnFe2O4) for improved photocatalytic elimination of toxic dye from aquatic system. Environmental Research, 2021, 197, 111047.	3.7	49
14	Facile single-step synthesis of MXene@CNTs hybrid nanocomposite by CVD method to remove hazardous pollutants. Chemosphere, 2022, 286, 131733.	4.2	46
15	A strategy to enhance the photocatalytic efficiency of Î±-Fe2O3. Chemosphere, 2021, 270, 129498.	4.2	41
16	Transformation of TiO2 nanoparticles to nanotubes by simple solvothermal route and its performance as dye-sensitized solar cell (DSSC) photoanode. International Journal of Hydrogen Energy, 2020, 45, 15441-15452.	3.8	41
17	Urchin like NiCo2O4/rGO nanocomposite for high energy asymmetric storage applications. Ceramics International, 2020, 46, 16291-16297.	2.3	40
18	Quaternary Cu₂FeSnS₄/PVP/rGO Composite for Supercapacitor Applications. ACS Omega, 2021, 6, 9471-9481.	1.6	40

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19	Performance of TiO2 nanoparticles synthesized by microwave and solvothermal methods as photoanode in dye-sensitized solar cells (DSSC). International Journal of Hydrogen Energy, 2020, 45, 27036-27046.	3.8	38
20	Perovskite Solar Cells: A Porous Graphitic Carbon based Hole Transporter/Counter Electrode Material Extracted from an Invasive Plant Species Eichhornia Crassipes. Scientific Reports, 2020, 10, 6835.	1.6	38
21	Cleaner production of tamarind fruit shell into bio-mass derived porous 3D-activated carbon nanosheets by CVD technique for supercapacitor applications. Chemosphere, 2021, 282, 131033.	4.2	36
22	Studies on bundle like ZnO nanorods for solar cell applications. Solar Energy, 2014, 106, 129-135.	2.9	35
23	Powder Pressed Cuprous Iodide (CuI) as A Hole Transporting Material for Perovskite Solar Cells. Materials, 2019, 12, 2037.	1.3	35
24	Dye-sensitized ZnO nanorod based photoelectrochemical solar cells with natural dyes extracted from Ixora coccinea, Mulberry and Beetroot. Journal of Materials Science: Materials in Electronics, 2011, 22, 1662-1666.	1.1	34
25	Superior supercapacitive performance of Cu₂MnSnS₄ asymmetric devices. Nanoscale Advances, 2021, 3, 486-498.	2.2	31
26	Structural, Optical, and Electrical Properties of Cobalt-Doped CdS Quantum Dots. Journal of Electronic Materials, 2012, 41, 665-672.	1.0	29
27	Pure and Ce-doped spinel CuFe2O4 photocatalysts for efficient rhodamine B degradation. Environmental Research, 2021, 200, 111528.	3.7	29
28	Characterization of activated biomass carbon from tea leaf for supercapacitor applications. Chemosphere, 2022, 291, 132931.	4.2	29
29	Natural dye sensitized TiO 2 nanorods assembly of broccoli shape based solar cells. Journal of Photochemistry and Photobiology B: Biology, 2015, 148, 223-231.	1.7	28
30	Fabrication of Ce doped TiO2 for efficient organic pollutants removal from wastewater. Chemosphere, 2022, 293, 133540.	4.2	28
31	Ni doped Bi2WO6 for electrochemical OER activity. International Journal of Hydrogen Energy, 2020, 45, 18859-18866.	3.8	27
32	CoNiSe₂ Nanostructures for Clean Energy Production. ACS Omega, 2020, 5, 14702-14710.	1.6	27
33	Potential transition and post-transition metal sulfides as efficient electrodes for energy storage applications: review. RSC Advances, 2022, 12, 18041-18062.	1.7	27
34	Computational Modeling of Novel Bulk Materials for the Intermediate-Band Solar Cells. ACS Omega, 2017, 2, 1454-1462.	1.6	26
35	Nickel sulphide-carbon composite hole transporting material for (CH3NH3PbI3) planar heterojunction perovskite solar cell. Materials Letters, 2018, 221, 283-288.	1.3	26
36	Nanocrystalline Ga-doped ZnO thin films for inverted polymer solar cells. Solar Energy, 2014, 106, 95-101.	2.9	25

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37	Enhanced performance of natural dye sensitised solar cells fabricated using rutile TIO2 nanorods. Optical Materials, 2016, 58, 76-83.	1.7	25
38	Impedance spectroscopy and dielectric properties of cobalt doped CdS nanoparticles. Powder Technology, 2012, 217, 1-6.	2.1	24
39	Algal buffer layers for enhancing the efficiency of anthocyanins extracted from rose petals for natural dye-sensitized solar cell (DSSC). International Journal of Energy Research, 2018, 42, 790-801.	2.2	24
40	<scp>UV</scp> â€aided graphene oxide reduction by <scp> TiO ₂ </scp> towards <scp> TiO ₂ </scp> /reduced graphene oxide composites for dyeâ€sensitized solar cells. International Journal of Energy Research, 2021, 45, 17220-17232.	2.2	24
41	SnS2/TiO2 Nanocomposites for Hydrogen Production and Photodegradation under Extended Solar Irradiation. Catalysts, 2021, 11, 589.	1.6	24
42	Asymmetric polyhedron structured NiSe₂@MoSe₂ device for use as a supercapacitor. Nanoscale Advances, 2021, 3, 4207-4215.	2.2	24
43	A Review on Cs-Based Pb-Free Double Halide Perovskites: From Theoretical and Experimental Studies to Doping and Applications. Molecules, 2021, 26, 2010.	1.7	23
44	Interfacing green synthesized flake like-ZnO with TiO₂ for bilayer electron extraction in perovskite solar cells. New Journal of Chemistry, 2020, 44, 8422-8433.	1.4	22
45	Cost Effective Solvothermal Method to Synthesize Zn-Doped TiO2 Nanomaterials for Photovoltaic and Photocatalytic Degradation Applications. Catalysts, 2021, 11, 690.	1.6	22
46	Investigation on (Zn) doping and anionic surfactant (SDS) effect on SnO2 nanostructures for enhanced photocatalytic RhB dye degradation. Environmental Research, 2021, 199, 111312.	3.7	22
47	Effect of solvents in the extraction and stability of anthocyanin from the petals of Caesalpinia pulcherrima for natural dye sensitized solar cell applications. Journal of Materials Science: Materials in Electronics, 2017, 28, 9882-9892.	1.1	21
48	Investigations on the photo catalytic activity of calcium doped TiO2 photo electrode for enhanced efficiency of anthocyanins based dye sensitized solar cells. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 377, 43-57.	2.0	21
49	CoS2/TiO2 Nanocomposites for Hydrogen Production under UV Irradiation. Materials, 2019, 12, 3882.	1.3	21
50	Performance assessment of a 20 MW photovoltaic power plant in a hot climate using real data and simulation tools. Energy Reports, 2021, 7, 7297-7314.	2.5	21
51	Rare Earth-Doped MoS₂ for Supercapacitor Application. Energy & Fuels, 2022, 36, 6476-6482.	2.5	21
52	Ruthenium (Ru) Doped Titanium Dioxide (P25) Electrode for Dye Sensitized Solar Cells. Energies, 2020, 13, 1532.	1.6	20
53	Synthesis and characterization of flower like ZnO nanorods for dye-sensitized solar cells. Journal of Materials Science: Materials in Electronics, 2013, 24, 2367-2371.	1.1	17
54	The Performance of CH3NH3PbI3 - Nanoparticles based â€“ Perovskite Solar Cells Fabricated by Facile Powder press Technique. Materials Research Bulletin, 2018, 108, 61-72.	2.7	17

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55	Microwave-assisted solvothermal synthesis of worms-like TiO2 nanostructures in submicron regime as light scattering layers for dye-sensitized solar cells. Materials Letters, 2019, 236, 747-751.	1.3	17
56	Microwave assisted solvothermal synthesis of quasi cubic F doped <scp> TiO ₂ </scp> nanostructures and its performance as dye sensitized solar cell photoanode. International Journal of Energy Research, 2021, 45, 17259-17268.	2.2	17
57	Effect of Nd3+ doping on CdO nanoparticles for supercapacitor applications. Ceramics International, 2021, 47, 30790-30796.	2.3	17
58	Synthesis of pure and lanthanum-doped barium ferrite nanoparticles for efficient removal of toxic pollutants. Journal of Hazardous Materials, 2022, 424, 127604.	6.5	17
59	Effect of Cr-doping on the structural and optical properties of CdS nanoparticles prepared by chemical precipitation method. Journal of Materials Science: Materials in Electronics, 2012, 23, 618-624.	1.1	16
60	Rosa centifolia sensitized ZnO nanorods for photoelectrochemical solar cell applications. Solar Energy, 2014, 106, 143-150.	2.9	16
61	Neutral and alkaline chemical environment dependent synthesis of Mn3O4 for oxygen evolution reaction (OER). Materials Chemistry and Physics, 2020, 247, 122864.	2.0	16
62	Numerical and experimental results for focusing of three-dimensional electromagnetic waves into uniaxial crystals. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2009, 26, 691.	0.8	15
63	Basella alba rubra spinach pigment-sensitized TiO2 thin film-based solar cells. Applied Nanoscience (Switzerland), 2015, 5, 297-303.	1.6	15
64	Copper molybdate nanoparticles for electrochemical water splitting application. International Journal of Hydrogen Energy, 2021, 46, 7701-7711.	3.8	15
65	Heterostructured two dimensional materials of MXene and graphene by hydrothermal method for efficient hydrogen production and HER activities. International Journal of Hydrogen Energy, 2023, 48, 6478-6487.	3.8	15
66	One-step fabrication of copper sulfide catalysts for HER in natural seawater and their bifunctional properties in freshwater splitting. Fuel, 2022, 322, 124073.	3.4	15
67	Review on Perovskite Semiconductor Fieldâ€“Effect Transistors and Their Applications. Nanomaterials, 2022, 12, 2396.	1.9	14
68	Annealing Induced Shape Transformation of CZTS Nanorods Based Thin Films. Langmuir, 2017, 33, 6151-6158.	1.6	13
69	Facile preparation and characterization of MXene@Platinum nanocomposite for energy conversion applications. Fuel, 2022, 317, 123493.	3.4	13
70	Rare earth metal (Sm)-doped NiMnO₃ nanostructures for highly competent alkaline oxygen evolution reaction. Nanoscale Advances, 2022, 4, 2501-2508.	2.2	13
71	Electrochemical water splitting exploration of MnCo₂O₄, NiCo₂O₄ cobaltites. New Journal of Chemistry, 2020, 44, 17679-17692.	1.4	12
72	Structural and photoelectrochemical characterization of heterostructured carbon sheet/Ag2MoO4-SnS/Pt photocapacitor. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 401, 112784.	2.0	12

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73	Ni/N co-doped P25 TiO2 photoelectrodes for efficient Dye-Sensitized Solar Cells. Materials Science in Semiconductor Processing, 2021, 135, 106062.	1.9	12
74	Air processed Cs2AgBiBr6 lead-free double perovskite high-mobility thin-film field-effect transistors. Scientific Reports, 2022, 12, 2455.	1.6	12
75	Enhanced photovoltaic performance of quantum dot sensitized solar cells with Ag-doped TiO2 nanocrystalline thin films. Journal of Materials Science: Materials in Electronics, 2014, 25, 2724-2729.	1.1	11
76	Properties of Novel Non-Silicon Materials for Photovoltaic Applications: A First-Principle Insight. Materials, 2018, 11, 2006.	1.3	11
77	Effect of doped TiO2 film as electron transport layer for inverted organic solar cell. Materials Science for Energy Technologies, 2019, 2, 385-388.	1.0	11
78	Pristine and cobalt doped copper sulfide microsphere particles for seawater splitting. International Journal of Hydrogen Energy, 2022, 47, 37171-37182.	3.8	11
79	Facile hydrothermal synthesis of MXene@antimony nanoneedle composites for toxic pollutants removal. Environmental Research, 2022, 210, 112904.	3.7	11
80	ZnCo2O4/CNT composite for efficient supercapacitor electrodes. Ceramics International, 2022, 48, 24745-24750.	2.3	11
81	Grape pigment (malvidin-3-fructoside) as natural sensitizer for dye-sensitized solar cells. Materials for Renewable and Sustainable Energy, 2014, 3, 1.	1.5	10
82	Synthesis of a carboxylic acid-based ruthenium sensitizer and its applicability towards Dye-Sensitized Solar Cells. Solar Energy, 2021, 225, 399-406.	2.9	10
83	A multifunctional ruthenium based dye for hybrid nanocrystalline titanium dioxide/poly(3-hexylthiophene) solar cells. Materials Letters, 2020, 274, 127997.	1.3	10
84	Investigation of pure and g-C3N4 loaded CdWO4 photocatalytic activity on reducing toxic pollutants. Chemosphere, 2021, , 133090.	4.2	10
85	Enhanced Performance of Nanoporous Titanium Dioxide Solar Cells Using Cadmium Sulfide and Poly(3-hexylthiophene) Co-Sensitizers. Polymers, 2017, 9, 467.	2.0	9
86	A Quarterthiophene-Based Dye as an Efficient Interface Modifier for Hybrid Titanium Dioxide/Poly(3-hexylthiophene)(P3HT) Solar Cells. Polymers, 2019, 11, 1752.	2.0	9
87	NiMoO4 nanorods photocatalytic activity comparison under UV and visible light. Environmental Research, 2021, 197, 111073.	3.7	9
88	Investigation of PEG directed Sb2WO6 for dyes removal from wastewater. Chemosphere, 2022, 291, 132677.	4.2	9
89	Facile synthesis of a heterostructured lanthanum-doped SnO₂ anchored with rGO for asymmetric supercapacitors and photocatalytic dye degradation. New Journal of Chemistry, 2021, 45, 22497-22513.	1.4	9
90	Recent Progression of Flower Like ZnSe@MoSe2 Designed as an Electrocatalyst for Enhanced Supercapacitor Performance. Topics in Catalysis, 2022, 65, 684-693.	1.3	9

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91	Investigation on copper based oxide, sulfide and selenide derivatives oxygen evolution reaction activity. Applied Nanoscience (Switzerland), 2020, 10, 4299-4306.	1.6	8
92	Single walled carbon nanotube incorporated Titanium dioxide and Poly(3-hexylthiophene) as electron and hole transport materials for perovskite solar cells. Materials Letters, 2020, 276, 128174.	1.3	8
93	Solvothermal synthesis of CoMoO4 nanostructures for electrochemical applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 5989-6000.	1.1	8
94	Bi2MoO6 hierarchical microflowers for electrochemical oxygen evolution reaction. International Journal of Hydrogen Energy, 2021, 46, 18719-18728.	3.8	8
95	Focal shifts on focusing through a plane interface. Optics Communications, 2009, 282, 2286-2291.	1.0	7
96	Synthesis and characterization of zeolite NaA and NaY coating on mild steel. Journal of Sol-Gel Science and Technology, 2016, 79, 510-519.	1.1	7
97	Silver-doped cadmium sulfide for electrochemical water oxidation. Applied Nanoscience (Switzerland), 2020, 10, 4351-4358.	1.6	7
98	Hydrothermal Methodâ€“Derived MnMoO₄ Crystals: Effect of Cationic Surfactant on Microstructures and Electrochemical Properties. ChemistrySelect, 2020, 5, 7728-7733.	0.7	7
99	PVP-assisted grass-like NiSe@ZnSe composite for environmental energy applications. Journal of Materials Science: Materials in Electronics, 2022, 33, 8409-8416.	1.1	7
100	PVP influence on Mnâ€“CdS for efficient photocatalytic activity. Chemosphere, 2021, 277, 130346.	4.2	7
101	Electrochemical Enhancement of Binary CuSe2@MoSe2 Composite Nanorods for Supercapacitor Application. Topics in Catalysis, 2022, 65, 668-676.	1.3	7
102	A mathematical model to predict the grain size of nanocrystalline CdS thin films based on the deposition condition used in the solâ€“gel spin coating method. Applied Physics A: Materials Science and Processing, 2011, 104, 1129-1136.	1.1	6
103	Solanum nigrum and Eclipta alba leaf pigments for dye sensitized solar cell applications. Journal of Sol-Gel Science and Technology, 2014, 69, 17-20.	1.1	6
104	The performance of CdS quantum dotÂsensitized ZnO nanorod-based solar cell. Journal of Sol-Gel Science and Technology, 2016, 80, 867-872.	1.1	6
105	Generation of ultra-long multiple optical tubes using annular Walsh function filters. Optical and Quantum Electronics, 2020, 52, 1.	1.5	6
106	Biomedical application of single anatase phase TiO2 nanoparticles with addition of Rambutan (Nephelium lappaceumÂL.) fruit peel extract. Applied Nanoscience (Switzerland), 2021, 11, 699-708.	1.6	6
107	Energy Storage Applications of CdMoO4 Microspheres. Jom, 2021, 73, 1546-1551.	0.9	6
108	Cobalt-based derivatives oxygen evolution reaction. Applied Nanoscience (Switzerland), 2021, 11, 1367-1378.	1.6	6

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109	Bimetallic AC/Ag2CrO4/SnS heterostructure photoanode for energy conversion and storage: A self-powered Photocapacitor. Journal of Power Sources, 2022, 520, 230883.	4.0	6
110	Exploration of a Bimetallic NiSe₂@CoSe₂ Nanosphere as a Proficient Electrode for Electrochemical Activity. Energy & Fuels, 2022, 36, 1726-1734.	2.5	6
111	Surfactant induced copper vanadate (Î²-Cu2V2O7, Cu3V2O8) for different textile dyes degradation. Environmental Research, 2022, 211, 112964.	3.7	6
112	Carbonization and optimization of biomass waste for HER application. Fuel, 2022, 324, 124466.	3.4	6
113	Ultra- ordered array of CuCo2S4 microspheres on co-doped nitrogen, sulfur-porous graphene sheets with superior electrochemical performance for supercapacitor application. Energy Reports, 2022, 8, 7712-7723.	2.5	6
114	Investigation of optimum Mn dopant level on TiO2 for dye degradation. Chemosphere, 2022, 306, 135574.	4.2	6
115	Hybrid Density Functional Study of Au2Cs2I6, Ag2GeBaS4, Ag2ZnSnS4, and AgCuPO4 for the Intermediate Band Solar Cells. Energies, 2018, 11, 3457.	1.6	5
116	Effect of cationic, anionic, and mixed surfactant role on manganese oxide nanoparticles for energy storage applications. Applied Nanoscience (Switzerland), 2021, 11, 1769-1775.	1.6	5
117	Hydrothermal synthesis of Cu2Seâ€“CoSe nanograin for electrochemical supercapacitor applications. Applied Nanoscience (Switzerland), 2021, 11, 1881-1888.	1.6	5
118	Surfactant-assisted tungsten sulfide mesoporous sphere for hydrogen production. International Journal of Hydrogen Energy, 2022, 47, 41984-41993.	3.8	5
119	High performance MnSn(OH)6 electrodes for energy conversion application. Materials Letters, 2021, 282, 128888.	1.3	4
120	Anionic surfactant assisted copper hydroxide for toxic dye removal from wastewater. Environmental Research, 2021, 199, 111310.	3.7	4
121	Energy flux density for higher-order cylindrical vector vortex beam tightly focused through a dielectric interface. Journal of Optics (India), 2021, 50, 548-558.	0.8	4
122	Lithium doped poly(3-hexylthiophene) for efficient hole transporter and sensitizer in metal free quaterthiophene dye treated hybrid solar cells. Scientific Reports, 2021, 11, 20157.	1.6	4
123	Recent Progress and Approaches on Transition Metal Chalcogenides for Hydrogen Production. Energies, 2021, 14, 8265.	1.6	4
124	Nanocrystalline CdS thin films prepared by sol-gel spin coating. International Journal of Materials Research, 2011, 102, 584-586.	0.1	3
125	Electrochemical energy storage and conversion applications of CoSn(OH)6 materials. International Journal of Hydrogen Energy, 2022, 47, 41948-41955.	3.8	3
126	Investigation of electrochemical performance of an efficient Ti2O3â€“CeO2 nanocomposite for enhanced pollution-free energy conversion applications. Journal of Environmental Management, 2021, 295, 113138.	3.8	3

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127	Direct growth of multilayered graphene nanofibers by chemical vapour deposition and their binder-free electrodes for symmetric supercapacitor devices. Progress in Organic Coatings, 2021, 161, 106511.	1.9	3
128	Si@MXene/graphene crumbled spherical nanocomposites. International Journal of Energy Research, 2022, 46, 21548-21557.	2.2	3
129	PEG mediated tetragonal calcium molybdate nanostructures for electrochemical energy conversion applications. International Journal of Hydrogen Energy, 2022, 47, 26013-26022.	3.8	3
130	Sea grass like arranged TiO2 nanorods sensitized by natural dyes for solar cell applications. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	2
131	A promising high-efficiency photovoltaic alternative non-silicon material: A first-principle investigation. Scripta Materialia, 2018, 156, 134-137.	2.6	2
132	Polymer/Fullerene Blend Solar Cells with Cadmium Sulfide Thin Film as an Alternative Hole-Blocking Layer. Polymers, 2019, 11, 460.	2.0	2
133	Energy storage performance of CoNiSe2 nanostructures. Materials Letters, 2020, 279, 128485.	1.3	2
134	Cu2S electrochemical energy storage applications. AIP Conference Proceedings, 2020, , .	0.3	2
135	Growth of ZnSe_xO_{1â€“x} Nanorods and Their Photoelectrochemical Properties. Energy & Fuels, 2021, 35, 6289-6297.	2.5	2
136	Nickel iron oxide electrocatalysts for electrochemical OER activity. Applied Nanoscience (Switzerland), 2021, 11, 2669-2677.	1.6	2
137	First-Principle Calculation of High Absorption-TlGaTe2 for Photovoltaic Application. Materials, 2019, 12, 2667.	1.3	1
138	Cerium doped NiO nanoparticles by hydrothermal method. AIP Conference Proceedings, 2020, , .	0.3	1
139	Investigation of EG-Bi2S3 nanorods photocatalytic activity under visible light for dye degradation from aquatic system. Environmental Science and Pollution Research, 2023, 30, 71628-71636.	2.7	1
140	Basella alba rubra spinach pigment-sensitized TiO2 thin film-based solar cells. Applied Nanoscience (Switzerland), 2015, 5, 297-303.	1.6	1
141	Electrochemical water splitting of Ag-WO3 nanostructures. AIP Conference Proceedings, 2020, , .	0.3	1
142	Cs2AgBiBr6 as a mixed anion perovskites for photovoltaic applications: A first-principle study. Materials Today: Proceedings, 2022, 64, 1783-1788.	0.9	1
143	Ag doped ZnSnO3 nanocubes: Promotion on the charge storage mechanism for supercapacitors. Journal of Physics and Chemistry of Solids, 2022, 169, 110894.	1.9	1
144	A Model for Greener Power Generation for NE Sri Lanka. , 2008, , .		0

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145	Focusing properties of aberration-free electromagnetic waves in thin dielectric slabs. Journal of Modern Optics, 2013, 60, 240-247.	0.6	0
146	Electrochemical Oxygen Evolution Reaction Activity of Tin Sulfide Nanostructures. ChemistrySelect, 2020, 5, 11703-11707.	0.7	0
147	Mapping and Scientometric Measures on Research Publications of Energy Storage and Conversion. Topics in Catalysis, 0, , 1.	1.3	0
148	Roles of Interfacial Modifiers in Inorganic Titania/Organic Poly(3-hexylthiophene) Heterojunction Hybrid Solar Cells. Nanomaterials, 2022, 12, 820.	1.9	0