

# C Justin Raj

## List of Publications by Year in descending order

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140  
papers

4,135  
citations

94433

37  
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149698

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141  
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141  
docs citations

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times ranked

4458  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical capacitor behavior of copper sulfide (CuS) nanoplatelets. <i>Journal of Alloys and Compounds</i> , 2014, 586, 191-196.	5.5	191
2	Growth, theoretical and optical studies on potassium dihydrogen phosphate (KDP) single crystals by modified Sankaranarayananâ€™Ramasamy (mSR) method. <i>Physica B: Condensed Matter</i> , 2010, 405, 20-24.	2.7	140
3	A high performance PEDOT/PEDOT symmetric supercapacitor by facile in-situ hydrothermal polymerization of PEDOT nanostructures on flexible carbon fibre cloth electrodes. <i>Materials Today Energy</i> , 2017, 6, 96-104.	4.7	124
4	Highly Flexible and Planar Supercapacitors Using Graphite Flakes/Polypyrrole in Polymer Lapping Film. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 13405-13414.	8.0	117
5	High electrochemical capacitor performance of oxygen and nitrogen enriched activated carbon derived from the pyrolysis and activation of squid gladius chitin. <i>Journal of Power Sources</i> , 2018, 386, 66-76.	7.8	116
6	Performance of <i>Kerria japonica</i> and <i>Rosa chinensis</i> flower dyes as sensitizers for dye-sensitized solar cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 96, 305-309.	3.9	113
7	Improved photovoltaic performance of CdSe/CdS/PbS quantum dot sensitized ZnO nanorod array solar cell. <i>Journal of Power Sources</i> , 2014, 248, 439-446.	7.8	104
8	Banyan Root Structured Mg-Doped ZnO Photoanode Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2600-2607.	3.1	89
9	Pinecone biomassâ€™derived activated carbon: the potential electrode material for the development of symmetric and asymmetric supercapacitors. <i>International Journal of Energy Research</i> , 2020, 44, 8591-8605.	4.5	80
10	Two-Dimensional Planar Supercapacitor Based on Zinc Oxide/Manganese Oxide Core/Shell Nano-architecture. <i>Electrochimica Acta</i> , 2017, 247, 949-957.	5.2	77
11	Studies on optical, mechanical and transport properties of NLO active l-alanine formate single crystal grown by modified Sankaranarayananâ€™Ramasamy (SR) method. <i>Optics Communications</i> , 2008, 281, 2285-2290.	2.1	73
12	Electrochemical Behaviour of Lithium, Sodium and Potassium Ion Electrolytes in a $\text{Na}_{0.33}\text{V}_2\text{O}_5$ Symmetric Pseudocapacitor with High Performance and High Cyclic Stability. <i>ChemElectroChem</i> , 2018, 5, 101-111.	3.4	71
13	Simple fabrication of ZnO/Pt/chitosan electrode for enzymatic glucose biosensor. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 827-833.	7.8	69
14	Cornhusk mesoporous activated carbon electrodes and seawater electrolyte: The sustainable sources for assembling retainable supercapacitor module. <i>Journal of Power Sources</i> , 2021, 490, 229518.	7.8	68
15	Surface reinforced platinum counter electrode for quantum dots sensitized solar cells. <i>Electrochimica Acta</i> , 2013, 103, 231-236.	5.2	64
16	Selenium enriched hybrid metal chalcogenides with enhanced redox kinetics for high-energy density supercapacitors. <i>Chemical Engineering Journal</i> , 2021, 414, 128924.	12.7	64
17	Amperometric glucose biosensor based on glucose oxidase immobilized over chitosan nanoparticles from gladius of <i>Uroteuthis duvauceli</i> . <i>Sensors and Actuators B: Chemical</i> , 2015, 215, 536-543.	7.8	63
18	Supercapacitive studies on electropolymerized natural organic phosphate doped polypyrrole thin films. <i>Electrochimica Acta</i> , 2016, 220, 373-383.	5.2	62

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19	A Self- Branched Lamination of Hierarchical Patronite Nanoarchitectures on Carbon Fiber Cloth as Novel Electrode for Ionic Liquid Electrolyte- Based High Energy Density Supercapacitors. <i>Advanced Functional Materials</i> , 2020, 30, 1906586.	14.9	61
20	Growth and characterization of succinic acid single crystals. <i>Crystal Research and Technology</i> , 2007, 42, 1087-1090.	1.3	60
21	Self-coupled nickel sulfide @ nickel vanadium sulfide nanostructure as a novel high capacity electrode material for supercapattery. <i>Applied Surface Science</i> , 2019, 497, 143778.	6.1	59
22	Enhanced supercapacitive performances of functionalized activated carbon in novel gel polymer electrolytes with ionic liquid redox-mediated poly(vinyl alcohol)/phosphoric acid. <i>RSC Advances</i> , 2016, 6, 75376-75383.	3.6	53
23	Electrochemical biosensing of mosquito-borne viral disease, dengue: A review. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111511.	10.1	52
24	Selective design of binder-free hierarchical nickel molybdenum sulfide as a novel battery-type material for hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25467-25480.	10.3	49
25	Enhanced electrochemical properties of cobalt doped manganese dioxide nanowires. <i>Journal of Alloys and Compounds</i> , 2014, 617, 491-497.	5.5	48
26	Hydrothermal synthesis of highly crystalline Zn <sub>2</sub> SnO <sub>4</sub> nanoflowers and their optical properties. <i>Journal of Alloys and Compounds</i> , 2013, 577, 131-137.	5.5	47
27	Growth and characterization of NLO active lithium sulphate monohydrate single crystals. <i>Crystal Research and Technology</i> , 2009, 44, 1272-1276.	1.3	46
28	Growth and characterization of novel ferroelectric urea- succinic acid single crystals. <i>Journal of Crystal Growth</i> , 2008, 310, 3313-3317.	1.5	44
29	Bulk crystal growth and characterization of non-linear optical bithiourea zinc chloride single crystal by unidirectional growth method. <i>Current Applied Physics</i> , 2010, 10, 548-552.	2.4	42
30	High-performance flexible and wearable planar supercapacitor of manganese dioxide nanoflowers on carbon fiber cloth. <i>Ceramics International</i> , 2020, 46, 21736-21743.	4.8	42
31	Efficient supercapattery behavior of mesoporous hydrous and anhydrous cobalt molybdate nanostructures. <i>Journal of Alloys and Compounds</i> , 2019, 789, 256-265.	5.5	41
32	Electrodeposition of vanadium pentoxide on carbon fiber cloth as a binder-free electrode for high-performance asymmetric supercapacitor. <i>Journal of Alloys and Compounds</i> , 2021, 863, 158332.	5.5	41
33	Rapid hydrothermal synthesis of cobalt oxyhydroxide nanorods for supercapacitor applications. <i>Journal of Electroanalytical Chemistry</i> , 2015, 747, 130-135.	3.8	40
34	Electrochemical supercapacitor behaviour of functionalized candle flame carbon soot. <i>Bulletin of Materials Science</i> , 2016, 39, 241-248.	1.7	40
35	Growth and characterization of nonlinear optical active l-alanine formate crystal by modified Sankaranarayanan- Ramasamy (SR) method. <i>Journal of Crystal Growth</i> , 2007, 304, 191-195.	1.5	39
36	Engineering thermally activated NiMoO <sub>4</sub> nanoflowers and biowaste derived activated carbon-based electrodes for high-performance supercapatteries. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 369-384.	6.0	39

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37	Investigation of optical band gap in potassium acid phthalate single crystal. <i>Crystal Research and Technology</i> , 2008, 43, 670-673.	1.3	37
38	Rationally designed spider web-like trivanadium heptaoxide nanowires on carbon cloth as a new class of pseudocapacitive electrode for symmetric supercapacitors with high energy density and ultra-long cyclic stability. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11390-11404.	10.3	37
39	Electrochemical polymerization of chloride doped PEDOT hierarchical porous nanostructure on graphite as a potential electrode for high performance supercapacitor. <i>Electrochimica Acta</i> , 2020, 354, 136669.	5.2	37
40	Lanthanum doped copper oxide nanoparticles enabled proficient bi-functional electrocatalyst for overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 24684-24696.	7.1	36
41	Synthesis and electrical properties of the (PVA) <sub>0.7</sub> (KI) <sub>0.3</sub> ·xH <sub>2</sub> SO <sub>4</sub> (0 ≤ x ≤ 5) polymer electrolytes and their performance in a primary Zn/MnO <sub>2</sub> battery. <i>Electrochimica Acta</i> , 2010, 56, 649-656.	5.2	34
42	Hierarchical NiCo / NiO / NiCo <sub>2</sub> O <sub>4</sub> composite formation by solvothermal reaction as a potential electrode material for hydrogen evolutions and asymmetric supercapacitors. <i>International Journal of Energy Research</i> , 2021, 45, 19947-19961.	4.5	33
43	Phase Transformation of Amorphous to Crystalline of Multiwall Carbon Nanotubes by Shock Waves. <i>Crystal Growth and Design</i> , 2021, 21, 1617-1624.	3.0	33
44	Spectral, optical and mechanical studies on l-histidine hydrochloride monohydrate (LHC) single crystals grown by unidirectional growth technique. <i>Physica B: Condensed Matter</i> , 2010, 405, 3248-3252.	2.7	32
45	Synthesis from zinc oxalate, growth mechanism and optical properties of ZnO nano/micro structures. <i>Crystal Research and Technology</i> , 2011, 46, 1181-1188.	1.3	32
46	Growth and characterization of nonlinear optical zinc hydrogen phosphate single crystal grown in silica gel. <i>Crystal Research and Technology</i> , 2007, 42, 344-348.	1.3	31
47	Optical, thermal, dielectric and ferroelectric behaviour of sodium acid phthalate (SAP) single crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 2883-2887.	4.0	31
48	Vanadium Pentoxide with H <sub>2</sub> O, K <sup>+</sup> , and Na <sup>+</sup> Spacer between Layered Nanostructures for High Performance Symmetric Electrochemical Capacitors. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800041.	3.7	30
49	3D flower-like oxygen-deficient non-stoichiometry zinc cobaltite for high performance hybrid supercapacitors. <i>International Journal of Energy Research</i> , 2021, 45, 10832-10842.	4.5	29
50	Post synthetic annealing of zeolitic imidazolate framework-67 for high-performance hybrid supercapacitors. <i>Applied Surface Science</i> , 2021, 542, 148716.	6.1	28
51	Facile fabrication of flower-like binary metal oxide as a potential electrode material for high-performance hybrid supercapacitors. <i>Ceramics International</i> , 2022, 48, 9459-9467.	4.8	28
52	Facile synthesis and capacitive properties of nickel-cobalt binary metal oxide nanoaggregates via oxalate route. <i>Journal of Alloys and Compounds</i> , 2016, 674, 376-383.	5.5	25
53	Direct fabrication of two-dimensional copper sulfide nanoplates on transparent conducting glass for planar supercapacitor. <i>Journal of Alloys and Compounds</i> , 2018, 735, 2378-2383.	5.5	25
54	Electrochemical performances of highly stretchable polyurethane (PU) supercapacitors based on nanocarbon materials composites. <i>Journal of Alloys and Compounds</i> , 2019, 777, 67-72.	5.5	25

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55	Growth and optical absorption studies on potassium dihydrogen phosphate single crystals. <i>Crystal Research and Technology</i> , 2008, 43, 245-247.	1.3	24
56	Bulk Growth and Characterization of Semiorganic Nonlinear Optical L-Alanine Cadmium Chloride Single Crystal by Modified Sankaranarayananâ€™Ramasamy Method. <i>Crystal Growth and Design</i> , 2008, 8, 2729-2732.	3.0	24
57	Origin of giant dielectric constant and conductivity behavior in Zn <sub>1-x</sub> Mg <sub>x</sub> O (0 ≤ x ≤ 0.1) ceramics. <i>Materials Research Bulletin</i> , 2016, 74, 1-8.	5.2	24
58	Growth and characterization of a new semi-organic nonlinear optical sodium parnitrophenolate parnitrophenol dihydrate single crystal. <i>Materials Letters</i> , 2007, 61, 5053-5055.	2.6	23
59	Effective immobilization of glucose oxidase on chitosan submicron particles from gladius of <i>Todarodes pacificus</i> for glucose sensing. <i>Bioelectrochemistry</i> , 2015, 104, 44-50.	4.6	23
60	Optical and dielectric studies on pure and Ni <sup>2+</sup> , Co <sup>2+</sup> doped single crystals of bis thiourea cadmium chloride. <i>Crystal Research and Technology</i> , 2008, 43, 428-432.	1.3	22
61	Synthesis, Growth, and Characterization of Novel Nonlinear Optical Active Dichloridodiglycine Zinc Dihydrate Single Crystals. <i>Crystal Growth and Design</i> , 2008, 8, 1663-1667.	3.0	22
62	Magnesium doped ZnO nanoparticles embedded ZnO nanorod hybrid electrodes for dye sensitized solar cells. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 62, 453-459.	2.4	22
63	Polycrystalline V <sub>2</sub> O <sub>5</sub> /Na <sub>0.33</sub> V <sub>2</sub> O <sub>5</sub> electrode material for Li <sup>+</sup> ion redox supercapacitor. <i>Electrochimica Acta</i> , 2017, 230, 492-500.	5.2	22
64	Evaporative successive ionic layer adsorption and reaction polymerization of PEDOT: a simple and cost effective technique for binder free supercapacitor electrodes. <i>Electrochimica Acta</i> , 2017, 240, 231-238.	5.2	22
65	High Energy Density Heteroatom (O, N and S) Enriched Activated Carbon for Rational Design of Symmetric Supercapacitors. <i>Chemistry - A European Journal</i> , 2021, 27, 669-682.	3.3	22
66	Sonoelectrochemical exfoliation of graphene in various electrolytic environments and their structural and electrochemical properties. <i>Carbon</i> , 2021, 184, 266-276.	10.3	22
67	Electrochemical properties of TiO <sub>2</sub> encapsulated ZnO nanorod aggregates dye sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2012, 537, 159-164.	5.5	21
68	Template assisted synthesis of porous termite nest-like manganese cobalt phosphide as binder-free electrode for supercapacitors. <i>Electrochimica Acta</i> , 2021, 393, 139060.	5.2	21
69	Mechanical, theoretical and dielectric studies on ferroelectric lithium ammonium sulphate (LAS) single crystals. <i>Solid-State Electronics</i> , 2008, 52, 1157-1161.	1.4	20
70	Optical studies of nano-structured La-doped ZnO prepared by combustion method. <i>Materials Science in Semiconductor Processing</i> , 2012, 15, 308-313.	4.0	20
71	Interconnected network-like single crystalline bimetallic carbonate hydroxide nanowires for high performance hybrid supercapacitors. <i>International Journal of Energy Research</i> , 2021, 45, 3064-3074.	4.5	20
72	Growth of a Bulk Organic Single Crystal of Benzoylglycine by Unidirectional Crystal Growth Method. <i>Crystal Growth and Design</i> , 2009, 9, 151-155.	3.0	19

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73	Origin of capacitance decay for a flower-like $\hat{\Gamma}$ -MnO <sub>2</sub> aqueous supercapacitor electrode: The quantitative surface and electrochemical analysis. <i>Journal of Alloys and Compounds</i> , 2022, 892, 162199.	5.5	19
74	Optical and dielectric studies on succinic acid single crystals. <i>Crystal Research and Technology</i> , 2008, 43, 845-850.	1.3	18
75	Growth, structural, optical, thermal and mechanical studies of novel semi-organic NLO active single crystal: Heptaqua-p-nitrophenolato strontium (II) nitrophenol. <i>Journal of Crystal Growth</i> , 2010, 312, 793-799.	1.5	18
76	Synthesis and Characterization of 3-[ <sup>131</sup> I]Iodo-L-Tyrosine Grafted Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> Nanocomposite for Single Photon Emission Computed Tomography (SPECT) and Magnetic Resonance Imaging (MRI). <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 1818-1821.	0.9	18
77	Zinc stannate nanoflower (Zn <sub>2</sub> SnO <sub>4</sub> ) photoanodes for efficient dye sensitized solar cells. <i>Materials Science in Semiconductor Processing</i> , 2014, 25, 52-58.	4.0	18
78	Synthesis of nano-bound microsphere Co <sub>3</sub> O <sub>4</sub> by simple polymer-assisted sol-gel technique. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	17
79	Synthesis and characterization of <sup>68</sup> Ga labeled Fe <sub>3</sub> O <sub>4</sub> nanoparticles for positron emission tomography (PET) and magnetic resonance imaging (MRI). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 305, 169-178.	1.5	17
80	Expeditious and eco-friendly hydrothermal polymerization of PEDOT nanoparticles for binder-free high performance supercapacitor electrodes. <i>RSC Advances</i> , 2016, 6, 110433-110443.	3.6	17
81	Protonated nickel 2-methylimidazole framework as an advanced electrode material for high-performance hybrid supercapacitor. <i>Materials Today Energy</i> , 2021, 21, 100736.	4.7	17
82	Synthesis, growth, structural, optical, photoconductivity and dielectric studies on potassium p-nitrophenolate dihydrate: A new semiorganic nonlinear optical material. <i>Materials Research Bulletin</i> , 2008, 43, 3587-3595.	5.2	16
83	Synthesis and evaluation of thioflavin-T analogs as potential imaging agents for amyloid plaques. <i>Medicinal Chemistry Research</i> , 2013, 22, 4263-4268.	2.4	16
84	CdS/CdSe quantum dot-sensitized solar cells based on ZnO nanoparticle/nanorod composite electrodes. <i>Electronic Materials Letters</i> , 2014, 10, 1137-1142.	2.2	16
85	Synthesis and optical properties of cerium doped zinc sulfide nano particles. <i>Superlattices and Microstructures</i> , 2015, 85, 274-281.	3.1	16
86	Nanowire architected porous bimetallic transition metal oxides for high performance hybrid supercapacitor applications. <i>International Journal of Energy Research</i> , 2021, 45, 18091-18102.	4.5	16
87	Preparation of TiO <sub>2</sub> paste using poly(vinylpyrrolidone) for dye sensitized solar cells. <i>Thin Solid Films</i> , 2012, 520, 7018-7021.	1.8	15
88	Polypyrrole thin film on electrochemically modified graphite surface for mechanically stable and high-performance supercapacitor electrodes. <i>Electrochimica Acta</i> , 2018, 283, 1543-1550.	5.2	15
89	1D interconnected porous binary transition metal phosphide nanowires for high performance hybrid supercapacitors. <i>International Journal of Energy Research</i> , 2021, 45, 17005-17014.	4.5	15
90	Rationally designed metal-organic framework templated iron-molybdenum sulfide for high energy density hybrid supercapacitors. <i>Applied Surface Science</i> , 2021, 570, 151051.	6.1	15

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91	Influence of heat-treatment temperature on the improvement of the electrochemical performance of CoMoO <sub>4</sub> nanomaterials for hybrid supercapacitor application. <i>Ceramics International</i> , 2022, 48, 29018-29024.	4.8	15
92	Highly efficient ZnO porous nanostructure for CdS/CdSe quantum dot sensitized solar cell. <i>Thin Solid Films</i> , 2013, 548, 636-640.	1.8	14
93	Assessment of air purifier on efficient removal of airborne bacteria, <i>Staphylococcus epidermidis</i> , using single-chamber method. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 720.	2.7	14
94	Synthesis of <sup>64</sup> Cu-Radiolabeled Folate-Conjugated Iron Oxide Nanoparticles for Cancer Diagnosis. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 2040-2044.	0.9	14
95	Growth, microhardness, dielectric and photoconductivity studies on NPNaLi: A promising crystal for NLO applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007, 136, 57-61.	3.5	13
96	Synthesis of self-light-scattering wrinkle structured ZnO photoanode by sol-gel method for dye-sensitized solar cells. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 811-816.	2.3	13
97	Electrochemical performance of flexible poly(ethylene terephthalate) (PET) supercapacitor based on reduced graphene oxide (rGO)/single-wall carbon nanotubes (SWNTs). <i>Synthetic Metals</i> , 2015, 207, 116-121.	3.9	13
98	Boron and nitrogen doped graphene quantum dots on a surface modified Cu mesh for the determination of dopamine and epinephrine. <i>Synthetic Metals</i> , 2021, 278, 116831.	3.9	13
99	Electrochemical impedance spectroscopic studies on aging-dependent electrochemical degradation of p-toluene sulfonic acid-doped polypyrrole thin film. <i>Ionics</i> , 2018, 24, 2335-2342.	2.4	12
100	Dysprosium doped copper oxide (Cu <sub>1-x</sub> Dy <sub>x</sub> O) nanoparticles enabled bifunctional electrode for overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 27585-27596.	7.1	12
101	Exploring the influence of tin in micro-structural, magneto-optical and antimicrobial traits of nickel oxide nanoparticles. <i>Surfaces and Interfaces</i> , 2022, 28, 101605.	3.0	12
102	Synthesis and characterization of doped lithium aluminate nanocrystalline particles by sol-gel method. <i>Crystal Research and Technology</i> , 2008, 43, 823-827.	1.3	11
103	Improved Electrochemical Performance of Fe <sub>3</sub> O <sub>4</sub> Nanoparticles Decorated Activated Carbon Supercapacitor Electrodes. <i>Bulletin of the Korean Chemical Society</i> , 2020, 41, 856-863.	1.9	11
104	Growth and characterization of pure and doped L-Lysine monohydrochloride dihydrate (L-LMHCl) nonlinear optical single crystals. <i>Current Applied Physics</i> , 2010, 10, 670-675.	2.4	10
105	Effect of CdSe/ZnS quantum dots dispersion in silicone based polymeric fluids. <i>Materials Letters</i> , 2014, 130, 43-47.	2.6	10
106	Rational design and fabrication of one-dimensional hollow cuboid-like FeMoO <sub>4</sub> architecture as a high performance electrode for hybrid supercapacitor. <i>Ceramics International</i> , 2022, 48, 29144-29151.	4.8	10
107	Mechanochemical synthesis of chitosan submicron particles from the gladius of <i>Todarodes pacificus</i> . <i>Journal of Advanced Research</i> , 2016, 7, 863-871.	9.5	9
108	Two dimensional layered nickel cobaltite nanosheets as an efficient electrode material for high-performance hybrid supercapacitor. <i>International Journal of Energy Research</i> , 2021, 45, 16134-16144.	4.5	9



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109	Synergistic integration of three-dimensional architecture composed of two-dimensional nanostructure ternary metal oxide for high-performance hybrid supercapacitors. International Journal of Energy Research, 2021, 45, 21170-21181.	4.5	9
110	Lu-177 preparation for radiotherapy application. Applied Radiation and Isotopes, 2016, 115, 8-12.	1.5	8
111	In-situ functionalization of binder-free three-dimensional boron-doped mesoporous graphene electrocatalyst as a high-performance electrode material for all-vanadium redox flow batteries. Applied Materials Today, 2021, 22, 100950.	4.3	8
112	Investigations on the nucleation studies of sodium paranitrophenolate dihydrate single crystal. Materials Research Bulletin, 2008, 43, 2010-2017.	5.2	7
113	Zinc stannate nanoneedles for CdS/CdSe quantum dot sensitized solar cells. Materials Letters, 2013, 111, 28-31.	2.6	7
114	Estimating the ionicity of an inverse spinel ferrite and the cation distribution of La-doped NiFe <sub>2</sub> O <sub>4</sub> nanocrystals for gas sensing properties. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	7
115	Poly(butylene adipate-co-terephthalate) (PBAT)/Antimony-doped Tin Oxide Polymer Composite for Near Infrared Absorption Coating Applications. Bulletin of the Korean Chemical Society, 2019, 40, 674-679.	1.9	7
116	Cu <sub>1-x</sub> RE <sub>x</sub> O (RE=Al, Dy) decorated dendritic CuS nanoarrays for highly efficient splitting of seawater into hydrogen and oxygen fuels. Applied Materials Today, 2021, 24, 101079.	4.3	7
117	Impact of oxygen-defects induced electrochemical properties of three-dimensional flower-like CoMoO <sub>4</sub> nanoarchitecture for supercapacitor applications. International Journal of Energy Research, 2022, 46, 17043-17055.	4.5	7
118	Growth and Characterization of Novel Nonlinear Optical Potassium Boromalate Monohydrate (KBM) Single Crystal Grown by Modified Sankaranarayanan Ramasamy (SR) Method. Crystal Growth and Design, 2008, 8, 3956-3958.	3.0	6
119	Investigation of dielectric, piezoelectric and ferroelectric properties of b-axis grown triglycine sulphate single crystal. Applied Physics A: Materials Science and Processing, 2011, 105, 1025-1031.	2.3	6
120	Synergistic effects of nanoarchitecture and oxygen vacancy in nickel molybdate hollow sphere towards a high-performance hybrid supercapacitor. International Journal of Energy Research, 0, , .	4.5	6
121	Surface treatments of silver rods with enhanced iodide adsorption for I-125 brachytherapy seeds. Applied Radiation and Isotopes, 2014, 85, 96-100.	1.5	5
122	Feasible study of polypyrrole film in single and double cationic ionic liquids as novel electrolytes for energy storage applications. Synthetic Metals, 2016, 222, 274-284.	3.9	5
123	Effect of proton irradiation on the structural and electrochemical properties of MnO <sub>2</sub> nanosheets. Journal of Electroanalytical Chemistry, 2018, 811, 16-25.	3.8	5
124	Epitaxial Engineering Strategy to Amplify Localized Surface Plasmon Resonance and Electrocatalytic Activity Enhancement in Layered Bismuth Selenide by Phosphorus Functionalization. Batteries and Supercaps, 2022, 5, .	4.7	5
125	Calcium copper titanate a perovskite oxide structure: effect of fabrication techniques and doping on electrical properties—a review. Journal of Materials Science: Materials in Electronics, 2022, 33, 15992-16028.	2.2	5
126	Synthesis and elucidation of deuterated vanillylamine hydrochloride and capsaicin. Journal of Labelled Compounds and Radiopharmaceuticals, 2009, 52, 563-565.	1.0	4



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127	<i>In Vitro</i> PET/MRI Diagnosis and Targeted Chemotherapy for Cancer Using Radiolabeled Nanoprobe : A Theragnostic Approach. Bulletin of the Korean Chemical Society, 2016, 37, 886-892.	1.9	4
128	Photo-electrochemical properties of variously-sized titanium dioxide nanoparticle-based dye-sensitized solar cells. Materials Science in Semiconductor Processing, 2014, 26, 354-359.	4.0	3
129	Synthesis and Evaluation of <sup>18</sup> F Labeled Pyrido[3,2-b]pyrazine Derivative as a Potential Imaging Agent for Non-Small Cell Lung Cancer. Bulletin of the Korean Chemical Society, 2015, 36, 1778-1783.	1.9	3
130	Synergetic effects of lanthanum substituted Ni-Zn-Cu-Co ferrite nanocomposite with enhanced NH <sub>3</sub> sensing performance. Journal of Environmental Chemical Engineering, 2021, 9, 106829.	6.7	3
131	Optical and dielectric studies of gel grown $\pm$ -hopeite single crystal. Optik, 2011, 122, 1296-1300.	2.9	2
132	Synthesis and Biological Evaluation of Decursinol Derivatives as FoxO $\alpha$ 1 Inhibitors in HepG2 Cells. Bulletin of the Korean Chemical Society, 2019, 40, 767-774.	1.9	2
133	HER2 inhibition efficiency of 6-amino-2-methyl-2-phenethyl-2H-benzopyran and feasibility of the <sup>64</sup> Cu-labeled benzopyran derivative in cancer diagnosis. New Journal of Chemistry, 2019, 43, 18657-18662.	2.8	2
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