

# Ferry Iskandar

## List of Publications by Year in descending order

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251  
papers

7,708  
citations

57719

44  
h-index

69214

77  
g-index

254  
all docs

254  
docs citations

254  
times ranked

8162  
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into the intermolecular interactions and temperature-concentration dependence of transport in ionic liquid-based EMI-TFSI/LITFSI electrolytes. <i>New Journal of Chemistry</i> , 2022, 46, 3966-3977.	1.4	9
2	A rational design of carbon dots <i>via</i> the combination of nitrogen and oxygen functional groups towards the first NIR window absorption. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1394-1402.	2.7	13
3	Stable layered-layered-spinel structure of the Li <sub>1.2</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> Mn <sub>0.54</sub> O <sub>2</sub> cathode synthesized by ball-milling assisted solid-state method. <i>Journal of Electroanalytical Chemistry</i> , 2022, 907, 116050.	1.9	12
4	A Sustainable Approach for Preparing Porous Carbon Spheres Derived from Kraft Lignin and Sodium Hydroxide as Highly Packed Thin Film Electrode Materials. <i>Langmuir</i> , 2022, 38, 3540-3552.	1.6	31
5	Toward Stable High-Performance Tin Halide Perovskite: First-Principles Insights into the Incorporation of Bivalent Dopants. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5256-5264.	1.5	5
6	Fabrication and structure optimization of expanded polystyrene (EPS) waste fiber for high-performance air filtration. <i>Powder Technology</i> , 2022, 402, 117357.	2.1	11
7	Effect of post-treatment drying processes on the optical and photothermal properties of carbon nanodots derived via microwave-assisted method. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 1017, 012009.	0.2	2
8	Coke-Resistant Ni/CeZrO <sub>2</sub> Catalysts for Dry Reforming of Methane to Produce Hydrogen-Rich Syngas. <i>Nanomaterials</i> , 2022, 12, 1556.	1.9	13
9	Evolutions of the optical properties in green-emitting MAPbBr <sub>3</sub> perovskite nanoplatelets/polymethyl methacrylate (PMMA) composite films for light-emitting diode applications. <i>Journal of Luminescence</i> , 2022, 248, 118954.	1.5	5
10	NCM cathode active materials reproduced from end-of-life Li-ion batteries using a simple and green hydrometallurgical recycling process. <i>Materials Research Bulletin</i> , 2022, 153, 111901.	2.7	11
11	Surface Functional Groups Effect on the Absorption Spectrum of Carbon Dots: Initial TD-DFT Study. <i>Journal of Physics: Conference Series</i> , 2022, 2243, 012043.	0.3	0
12	PEO/PVA/LiOH Solid Polymer Electrolyte Prepared via Ultrasound-assisted Solution Cast Method. <i>Journal of Non-Crystalline Solids</i> , 2021, 556, 120549.	1.5	24
13	Recent advances and rational design strategies of carbon dots towards highly efficient solar evaporation. <i>Nanoscale</i> , 2021, 13, 7523-7532.	2.8	38
14	Green recycle processing of cathode active material from LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> (NCM 111) battery waste through citric acid leaching and oxalate co-precipitation process. <i>Materials Today: Proceedings</i> , 2021, 44, 3378-3380.	0.9	11
15	Rapid growth of the CH <sub>3</sub> NH <sub>3</sub> PbCl <sub>3</sub> single crystal by microwave irradiation. <i>RSC Advances</i> , 2021, 11, 1360-1366.	1.7	4
16	Effect of H <sub>2</sub> SO <sub>4</sub> /H <sub>2</sub> O <sub>2</sub> pre-treatment on electrochemical properties of exfoliated graphite prepared by an electro-exfoliation method. <i>RSC Advances</i> , 2021, 11, 10881-10890.	1.7	9
17	Photoluminescence stability of CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> perovskite nanoparticles by adding SiO <sub>2</sub> : Preliminary study. <i>Materials Today: Proceedings</i> , 2021, 44, 3309-3312.	0.9	0
18	Advances of the top-down synthesis approach for high-performance silicon anodes in Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 18906-18926.	5.2	52

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19	Electrical Properties of Electrochemically Exfoliated Graphite with Copper Addition. Journal of Physics: Conference Series, 2021, 1811, 012042.	0.3	0
20	Sustainable porous hollow carbon spheres with high specific surface area derived from Kraft lignin. Advanced Powder Technology, 2021, 32, 2064-2073.	2.0	46
21	Preliminary study of electrochemical properties of polyethylene oxide (PEO) and polyvinyl alcohol (PVA) composites as material for solid polymer electrolyte. Materials Today: Proceedings, 2021, 44, 3375-3377.	0.9	4
22	Carbon-Based Quantum Dots for Supercapacitors: Recent Advances and Future Challenges. Nanomaterials, 2021, 11, 91.	1.9	87
23	Versatilely tuned vertical silicon nanowire arrays by cryogenic reactive ion etching as a lithium-ion battery anode. Scientific Reports, 2021, 11, 19779.	1.6	36
24	Role of Intrinsic Point Defects on the Electronic Structure of Metal-Insulator Transition $\alpha$ -FeS. Journal of Physical Chemistry Letters, 2021, 12, 10777-10782.	2.1	5
25	Synergetic effect of the surface ligand and SiO <sub>2</sub> driven photoluminescence stabilization of the CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> perovskite magic-sized clusters. Scientific Reports, 2021, 11, 22211.	1.6	5
26	Vertically Aligned n-Type Silicon Nanowire Array as a Free-Standing Anode for Lithium-Ion Batteries. Nanomaterials, 2021, 11, 3137.	1.9	21
27	Solid-state nitrogen-doped carbon nanoparticles with tunable emission prepared by a microwave-assisted method. RSC Advances, 2021, 11, 39917-39923.	1.7	6
28	Electrospun nanofiber from various source of expanded polystyrene (EPS) waste and their characterization as potential air filter media. Waste Management, 2020, 103, 76-86.	3.7	69
29	Regeneration of LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> Cathode Active Materials from End-of-Life Lithium-Ion Batteries through Ascorbic Acid Leaching and Oxalic Acid Coprecipitation Processes. ACS Sustainable Chemistry and Engineering, 2020, 8, 16104-16114.	3.2	50
30	A superhydrophilic bilayer structure of a nylon 6 nanofiber/cellulose membrane and its characterization as potential water filtration media. RSC Advances, 2020, 10, 17205-17216.	1.7	14
31	On-demand tuning of charge accumulation and carrier mobility in quantum dot solids for electron transport and energy storage devices. NPG Asia Materials, 2020, 12, .	3.8	17
32	Atomic and molecular adsorption on single platinum atom at the graphene edge: A density functional theory study. Journal of Chemical Physics, 2020, 152, 104707.	1.2	10
33	Precisely tailored synthesis of hexagonal hollow silica plate particles and their polymer nanocomposite films with low refractive index. Journal of Colloid and Interface Science, 2020, 571, 378-386.	5.0	20
34	Improving the Crystallinity and Purity of Monodisperse Ag Fine Particles by Heating Colloidal Sprays In-Flight. Industrial & Engineering Chemistry Research, 2020, 59, 5745-5751.	1.8	15
35	Catalytic oxidation of benzene at low temperature over novel combination of metal oxide based catalysts: CuO, MnO <sub>2</sub> , NiO with Ce <sub>0.75</sub> Zr <sub>0.25</sub> O <sub>2</sub> as support. Materials Today Chemistry, 2020, 17, 100305.	1.7	9
36	Silica-supported carboxylated cellulose nanofibers for effective lysozyme adsorption: Effect of macropore size. Advanced Powder Technology, 2020, 31, 2932-2941.	2.0	17

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37	Effects of magnetically modified natural zeolite addition on the crosslink density, mechanical, morphological, and damping properties of SIR 20 natural rubber reinforced with nanosilica compounds. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	6
38	Controlled morphology of electrospun nanofibers from waste expanded polystyrene for aerosol filtration. <i>Nanotechnology</i> , 2019, 30, 425602.	1.3	38
39	Facile deposition of reduced graphene oxide-based transparent conductive film with microwave assisted method. <i>Thin Solid Films</i> , 2019, 692, 137618.	0.8	11
40	Electrochemical properties of TiO <sub>2</sub> /rGO composite as an electrode for supercapacitors. <i>RSC Advances</i> , 2019, 9, 27896-27903.	1.7	19
41	Applying Pulse Height Analysis (PHA) Technique on an Optical Particle Counter (OPC) using Commercial ADC Module. <i>Materials Today: Proceedings</i> , 2019, 13, 252-257.	0.9	2
42	Synthesis of LiNi <sub>0.85</sub> Co <sub>0.14</sub> Al <sub>0.01</sub> O <sub>2</sub> Cathode Material and its Performance in an NCA/Graphite Full-Battery. <i>Energies</i> , 2019, 12, 1886.	1.6	54
43	Optimization of surface passivation parameters in [147Pm]-Si planar p-n junction betavoltaic based on analytical 1-D minority carrier diffusion equation approaches. <i>Applied Radiation and Isotopes</i> , 2019, 151, 226-234.	0.7	7
44	The Effect of Microwave Duty Cycle on The Electrical Conductivity of Reduced Graphene Oxide (rGO). <i>Journal of Physics: Conference Series</i> , 2019, 1204, 012076.	0.3	0
45	Development of faujasite-type zeolite and iron oxide as mixed catalyst for aquathermolysis reaction of heavy oil. <i>Materials Research Express</i> , 2019, 6, 045510.	0.8	7
46	Simultaneous ultraviolet and first near-infrared window absorption of luminescent carbon dots/PVA composite film. <i>RSC Advances</i> , 2019, 9, 7375-7381.	1.7	26
47	Synthesis of Exfoliated Graphene as Anode Material using a Modified Electrochemical Process. , 2019, , .		0
48	The synthesis of nanofiber membranes from acrylonitrile butadiene styrene (ABS) waste using electrospinning for use as air filtration media. <i>RSC Advances</i> , 2019, 9, 30741-30751.	1.7	37
49	Study on Graphene Oxide (GO) Supernatant Dilution to the Optical and Electrical Properties of TCF Based-reduced Graphene Oxide (RGO) Films. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 599, 012003.	0.3	1
50	Biodegradable Polymer-Coated Multifunctional Graphene Quantum Dots for Light-Triggered Synergetic Therapy of Pancreatic Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 2768-2781.	4.0	58
51	Electrochemical impedance analysis of polyvinylpyrrolidone-coated sulfur/reduced graphene oxide (S/rGO) electrode. <i>Materials Research Express</i> , 2019, 6, 025514.	0.8	6
52	Facile solvothermal synthesis and functionalization of polyethylene glycol-coated paramagnetic Gd <sub>2</sub> (CO <sub>3</sub> ) <sub>3</sub> particles and corresponding Gd <sub>2</sub> O <sub>3</sub> nanoparticles for use as MRI contrast agents. <i>Journal of Science: Advanced Materials and Devices</i> , 2019, 4, 72-79.	1.5	4
53	Using a smartphone's magnetic sensor in a low-cost experiment to study the magnetic field due to Helmholtz and anti-Helmholtz coil. <i>Physics Education</i> , 2019, 54, 015023.	0.3	10
54	Physicochemical study of multicolor BCNO phosphors using a urea combustion method. <i>Materials Research Express</i> , 2019, 6, 026206.	0.8	1

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55	Design of Pyrrolic-N-Rich Carbon Dots with Absorption in the First Near-Infrared Window for Photothermal Therapy. ACS Applied Nano Materials, 2018, 1, 2368-2375.	2.4	94
56	Sintering time optimization on red photoluminescence properties of manganese-doped boron carbon oxynitride (BCNO:Mn) phosphor. Materials Research Express, 2018, 5, 046206.	0.8	1
57	Simple preparation of Fenton catalyst@bacterial cellulose for waste water treatment. Materials Research Express, 2018, 5, 024005.	0.8	17
58	Catalytic oxidation of benzene using nano-CuO/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> and commercial catalysts. IOP Conference Series: Earth and Environmental Science, 2018, 105, 012039.	0.2	1
59	Recovery and Recycling of Tungsten by Alkaline Leaching of Scrap and Charged Amino Group Assisted Precipitation. ACS Sustainable Chemistry and Engineering, 2018, 6, 4246-4252.	3.2	18
60	The effect of addition of PTFE or urea on luminescence response of copper-doped lithium tetraborate. Materials Research Express, 2018, 5, 044003.	0.8	2
61	Air filtration media from electrospun waste high-impact polystyrene fiber membrane. Materials Research Express, 2018, 5, 035049.	0.8	42
62	Enhancing the Electrical Conductivity of Graphene Oxide Reduced by L-Ascorbic Acid via Microwave-Assisted Method. , 2018, , .		0
63	In situ functionalization of gadolinium oxide nanoparticles with polyethylene glycol (PEG) by pulsed laser ablation in a liquid medium (PLAL). Journal of Science: Advanced Materials and Devices, 2018, 3, 419-427.	1.5	9
64	The influence of copper addition on the electrical conductivity and charge transfer resistance of reduced graphene oxide (rGO). New Journal of Chemistry, 2018, 42, 16362-16371.	1.4	25
65	The enhancement on thermoluminescence response of rare earth metal-doped CaSO <sub>4</sub> /CaF <sub>2</sub> -based thermoluminescence dosimetry driven by polytetrafluoroethylene decomposition. Materials Research Express, 2018, 5, 106201.	0.8	0
66	Effect of Polystyrene Latex Addition on Size and Pore Volume of Porous Calcium Oxide Particles Prepared by Spray-Pyrolysis Method and Its Ability for SO <sub>2</sub> Retention. Journal of Engineering and Technological Sciences, 2018, 50, 240-254.	0.3	1
67	A red emitting of manganese-doped boron carbon oxynitride (BCNO) phosphor materials: facile approach and photoluminescence properties. RSC Advances, 2017, 7, 4161-4166.	1.7	19
68	Facile and Efficient Removal of Tungsten Anions Using Lysine-Promoted Precipitation for Recycling High-Purity Tungsten. ACS Sustainable Chemistry and Engineering, 2017, 5, 3141-3147.	3.2	16
69	Effect of temperature and precursor concentration on the morphology of Cu/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> prepared via urea combustion method. Materials Research Express, 2017, 4, 044002.	0.8	4
70	Natural Rubber Nanocomposite as Human-Tissue-Mimicking Materials for Replacement Cadaver in Medical Surgical Practice. Procedia Engineering, 2017, 170, 101-107.	1.2	16
71	Composited reduced graphene oxide into LiFePO <sub>4</sub> /Li <sub>2</sub> SiO <sub>3</sub> and its electrochemical impedance spectroscopy properties. Materials Research Express, 2017, 4, 034005.	0.8	5
72	Utilisation of the magnetic sensor in a smartphone for facile magnetostatics experiment: magnetic field due to electrical current in straight and loop wires. Physics Education, 2017, 52, 015015.	0.3	22

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73	A modified Marcano method for improving electrical properties of reduced graphene oxide (rGO). <i>Materials Research Express</i> , 2017, 4, 064001.	0.8	33
74	Preliminary Studies of Thermoluminescence Dosimeter (TLD) $\text{CaSO}_4$ :Dy Synthesis. <i>Journal of Physics: Conference Series</i> , 2017, 877, 012065.	0.3	5
75	Microwave Synthesis of BCNO/SiO <sub>2</sub> Nanocomposite Material. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 214, 012016.	0.3	1
76	Natural Rubber Nanocomposite with Human-Tissue-Like Mechanical Characteristic. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 214, 012002.	0.3	2
77	Measurement of 3-axis magnetic fields induced by current wires using a smartphone in magnetostatics experiments. <i>Physics Education</i> , 2017, 52, 065011.	0.3	12
78	Microwave-assisted reduction method under nitrogen atmosphere for synthesis and electrical conductivity improvement of reduced graphene oxide (rGO). <i>RSC Advances</i> , 2017, 7, 52391-52397.	1.7	77
79	Functionalized carbon nanotube (CNT) membrane: progress and challenges. <i>RSC Advances</i> , 2017, 7, 51175-51198.	1.7	192
80	Surface Plasmon Enhanced Nitrogen-Doped Graphene Quantum Dot Emission by Single Bismuth Telluride Nanoplates. <i>Advanced Optical Materials</i> , 2017, 5, 1700176.	3.6	18
81	Highly conductive nano-sized Magn@li phases titanium oxide (TiOx). <i>Scientific Reports</i> , 2017, 7, 3646.	1.6	79
82	PTFE Additive and Re-annealing Effect on Thermoluminescence Response of $\text{CaSO}_4$ :Dy Derived from Co-precipitation Method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 214, 012036.	0.3	2
83	Fabrication of Electrospun Nanofiber from Waste Expanded Polystyrene for Aerosol Filtration Application. <i>Advanced Science Letters</i> , 2017, 23, 5729-5732.	0.2	6
84	Viscosity Reduction of Heavy Oil Using Nanocatalyst in Aquathermolysis Reaction. <i>KONA Powder and Particle Journal</i> , 2016, 33, 3-16.	0.9	34
85	Tailored synthesis of macroporous Pt/WO <sub>3</sub> photocatalyst with nanoaggregates via flame assisted spray pyrolysis. <i>AIChE Journal</i> , 2016, 62, 3864-3873.	1.8	28
86	Effect of precursor concentration on the electrical properties of LiFePO <sub>4</sub> prepared by solvothermal method. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	1
87	The influence of reduced graphene oxide on electrical conductivity of LiFePO <sub>4</sub> -based composite as cathode material. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	3
88	Synthesis of LiFePO <sub>4</sub> /Li <sub>2</sub> SiO <sub>3</sub> /reduced Graphene Oxide (rGO) Composite via Hydrothermal Method. <i>Journal of Physics: Conference Series</i> , 2016, 739, 012087.	0.3	2
89	Synthesis of gadolinium carbonate-conjugated-poly(ethylene)glycol (Gd <sub>2</sub> (CO <sub>3</sub> ) <sub>3</sub> @PEG) particles via a modified solvothermal method. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	2
90	Preparation of Copper Iodide (CuI) Thin Film by In-Situ Spraying and Its Properties. <i>Journal of Physics: Conference Series</i> , 2016, 739, 012050.	0.3	10

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91	Initial Study on Thin Film Preparation of Carbon Nanodots Composites as Luminescence Material. Journal of Physics: Conference Series, 2016, 739, 012010.	0.3	1
92	Preliminary Study of Heat Supply during Carbon Nanodots Synthesis by Microwave-assisted Method. Journal of Physics: Conference Series, 2016, 739, 012045.	0.3	1
93	Preliminary Study on Synthesis of Organolead Halide with Lead Derived from Solder Wire. Journal of Physics: Conference Series, 2016, 739, 012098.	0.3	0
94	Selective Biosorption and Recovery of Tungsten from an Urban Mine and Feasibility Evaluation. Industrial & Engineering Chemistry Research, 2016, 55, 2903-2910.	1.8	27
95	Kinetics of nitrogen-doped carbon dot formation via hydrothermal synthesis. New Journal of Chemistry, 2016, 40, 5555-5561.	1.4	73
96	Role of C <sup>2+</sup> Configurations in the Photoluminescence of Graphene Quantum Dots Synthesized by a Hydrothermal Route. Scientific Reports, 2016, 6, 21042.	1.6	230
97	Predicting jet radius in electrospinning by superpositioning exponential functions. Journal of Physics: Conference Series, 2016, 739, 012097.	0.3	3
98	A simple straightforward thermal decomposition synthesis of PEG-covered Gd <sub>2</sub> O <sub>3</sub> (Gd <sub>2</sub> O <sub>3</sub> @PEG) nanoparticles. Advanced Powder Technology, 2016, 27, 1800-1805.	2.0	12
99	Heat-treated Escherichia coli as a high-capacity biosorbent for tungsten anions. Bioresource Technology, 2016, 218, 140-145.	4.8	11
100	A System for Characterizing Batteries and their Charging-Discharging Properties. Applied Mechanics and Materials, 2015, 771, 96-99.	0.2	0
101	Preliminary study on preparation of BCNO phosphor particles using citric acid as carbon source. AIP Conference Proceedings, 2015, , .	0.3	0
102	Effects of calcinations temperature and precursor concentration on crystallinity of NiO nanocrystalline powder synthesized via Ethylene Glycol route. AIP Conference Proceedings, 2015, , .	0.3	1
103	Microwave synthesis of homogeneous and highly luminescent BCNO nanoparticles for the light emitting polymer materials. Journal of Luminescence, 2015, 166, 148-155.	1.5	23
104	Synthesis of Fe <sub>3</sub> O <sub>4</sub> Nanoparticles Using the Co-Precipitation Method and its Development into Nanofluids as a Catalyst in Aquathermolysis Reactions. Advanced Materials Research, 2015, 1112, 205-208.	0.3	7
105	Absorbance Studies of Perovskite CH <sub>3</sub> NH <sub>3</sub> Pb <sub>(3-x)</sub> Cl <sub>x</sub> as Light Harvester in Solar Cell. Advanced Materials Research, 2015, 1112, 282-285.	0.3	0
106	Simulation of electron transmittance and tunnel current in n+ Poly-Si/HfSiO <sub>x</sub> N/Trap/SiO <sub>2</sub> /Si(100) capacitors using analytical and numerical approaches. AIP Conference Proceedings, 2015, , .	0.3	0
107	First Principle Calculation of Li <sub>2</sub> Fe <sub>0.5</sub> Cr <sub>0.5</sub> SiO <sub>4</sub> for Li-Ion Battery Cathode. Advanced Materials Research, 2015, 1112, 286-289.	0.3	0
108	Fluorescent of C-dot composite thin films and its properties. , 2014, , .		4



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109	Simulation of electron-matter interaction during wet-STEM electron tomography. , 2014, , .		0
110	Synthesis of composite WO <sub>3</sub> /TiO <sub>2</sub> nanoparticles by flame-assisted spray pyrolysis and their photocatalytic activity. Journal of Alloys and Compounds, 2014, 591, 121-126.	2.8	53
111	Controllable crystallite and particle sizes of WO <sub>3</sub> particles prepared by a spray pyrolysis method and their photocatalytic activity. AIChE Journal, 2014, 60, 41-49.	1.8	40
112	Photoluminescence optimization of BCNO phosphors synthesized using citric acid as a carbon source. Advanced Powder Technology, 2014, 25, 891-895.	2.0	13
113	Direct white light emission from a rare-earth-free aluminium boron carbon oxynitride phosphor. Journal of Materials Chemistry C, 2014, 2, 4297-4303.	2.7	50
114	Transient nature of graphene quantum dot formation via a hydrothermal reaction. RSC Advances, 2014, 4, 55709-55715.	1.7	84
115	Synthesis and photoluminescence of BCNO/SiO <sub>2</sub> nanocomposite phosphor materials. Journal of Luminescence, 2014, 148, 165-168.	1.5	10
116	Fe <sub>3</sub> O <sub>4</sub> /Zeolite nanocomposites synthesized by microwave assisted coprecipitation and its performance in reducing viscosity of heavy oil. AIP Conference Proceedings, 2014, , .	0.3	13
117	Synthesis of spherical macroporous WO <sub>3</sub> particles and their high photocatalytic performance. Chemical Engineering Science, 2013, 101, 523-532.	1.9	68
118	Solvothermal synthesis of lithium iron phosphate from a high concentration precursor. , 2013, , .		0
119	Ion-induced nucleation rate measurement in SO <sub>2</sub> /H <sub>2</sub> O/N <sub>2</sub> gas mixture by soft X-ray ionization at various pressures and temperatures. Advanced Powder Technology, 2013, 24, 143-149.	2.0	7
120	Synthesis of Ni <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> Nanoparticles by Microwave-Assisted Coprecipitation and their Application in Viscosity Reduction of Heavy Oil. Materials Science Forum, 2013, 737, 204-208.	0.3	12
121	Syntheses and Characterizations of Supercapacitors Using Nano-Sized ZnO/Nanoporous Carbon Electrodes and PVA-Based Polymer-Hydrogel Electrolytes. Materials Science Forum, 2013, 737, 191-196.	0.3	2
122	Fabrication of BCNO-composite thin film phosphors and controlling its thickness. , 2013, , .		1
123	Preliminary study of natural zeolite as catalyst for decreasing the viscosity of heavy oil. , 2013, , .		10
124	Preface: The 2nd International Conference on Theoretical and Applied Physics (ICTAP-2012). , 2013, , .		0
125	Towards Better Phosphor Design: Effect of SiO <sub>2</sub> Nanoparticles on Photoluminescence Enhancement of YAG:Ce. ECS Journal of Solid State Science and Technology, 2013, 2, R91-R95.	0.9	25
126	Analysis of electron leakage current in MOS capacitors by using anisotropic and isotropic mass approaches. Electronics Letters, 2012, 48, 1585-1586.	0.5	2



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127	Modeling of electron transmittance and tunneling current through an interfacial oxide-high-k-gate-stack by including transverse-longitudinal kinetic energy coupling and anisotropic masses: Effects of metal work function. , 2012, , .		0
128	Influence of Polymer Decomposition Temperature on the Formation of Rare-Earth Free Boron Carbon Oxynitride Phosphors. Journal of Chemical Engineering of Japan, 2012, 45, 995-1000.	0.3	23
129	Direct synthesis of spherical YAG:Ce phosphor from precursor solution containing polymer and urea. Chemical Engineering Journal, 2012, 210, 461-466.	6.6	39
130	Numerical Simulation of Tunneling Current in an Anisotropic Metal-Oxide-Semiconductor Capacitor. TELKOMNIKA Indonesian Journal of Electrical Engineering, 2012, 10, .	0.1	8
131	Numerical Simulation of Tunneling Current in an Anisotropic Metal-Oxide-Semiconductor Capacitor. Telkomnika (Telecommunication Computing Electronics and Control), 2012, 10, 477.	0.6	2
132	Numerical Simulation of Tunneling Current in an Anisotropic Metal-Oxide-Semiconductor Capacitor. Telkomnika (Telecommunication Computing Electronics and Control), 2012, 10, .	0.6	0
133	Novel rare-earth-free tunable-color-emitting BCNO phosphors. Journal of Materials Chemistry, 2011, 21, 5183.	6.7	114
134	Preface: The 4 <sup>th</sup> Nanoscience and Nanotechnology Symposium (NNS2011). , 2011, , .		0
135	An Analysis of Electron Direct Tunneling Current through a High-K MOS Capacitor by Including the Effect of a Trap between HfO <sub>2</sub> and SiO <sub>2</sub> Interfaces. , 2011, , .		0
136	Optimization of Coating Temperature of TiO <sub>2</sub> Nanoparticles on the Polypropylene Copolymer Surface for Photodegradation of Methylene Blue. , 2011, , .		4
137	Synthesis of TiO <sub>2</sub> Nanofluids by Wet Mechanochemical Process. AIP Conference Proceedings, 2011, , .	0.3	5
138	Resistors Network Model of Bcc Cell for Investigating Thermal Conductivity of Nanofluids. , 2011, , .		3
139	Effect of Silica Nanoparticles on Compressive Strength of Leaves-Waste Composite. , 2011, , .		2
140	Effect of Silica Nanoparticles on the Photoluminescence Properties of BCNO Phosphor. , 2011, , .		4
141	Morphology Controlled Electrospun Nanofibers for Humidity Sensor Application. , 2011, , .		7
142	Simulation of Leakage Current in Si <sup>+</sup> Ge <sup>-</sup> Si Quantum Dot Floating Gate MOSFET Using High-K Material as Tunnel Oxide. , 2011, , .		2
143	Molecular Dynamics Simulation of Smaller Granular Particles Deposition on a Larger One Due to Velocity Sequence Dependent Electrical Charge Distribution. , 2011, , .		0
144	Electron Tunnel Current through HfO <sub>2</sub> /SiO <sub>2</sub> Nanometer-thick Layers with a Trapped Charge: Effects of Electron Incident Angle and Silicon Substrate Orientation. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
145	Simulation of Electron Tunnel Current through $\text{HfO}_2/\text{SiO}_2$ Nanometer-thick Layers with a Trapped Charge of a MOS Capacitor Using a Transfer-Matrix Method. , 2011, , .		0
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