

Ferry Iskandar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2616647/publications.pdf>

Version: 2024-02-01

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	Synthesis of spherical mesoporous silica nanoparticles with nanometer-size controllable pores and outer diameters. <i>Microporous and Mesoporous Materials</i> , 2009, 120, 447-453.	2.2	321
2	Control of the morphology of nanostructured particles prepared by the spray drying of a nanoparticle sol. <i>Journal of Colloid and Interface Science</i> , 2003, 265, 296-303.	5.0	293
3	Enhanced Photocatalytic Performance of Brookite TiO ₂ Macroporous Particles Prepared by Spray Drying with Colloidal Templating. <i>Advanced Materials</i> , 2007, 19, 1408-1412.	11.1	255
4	Nanoparticle filtration by electrospun polymer fibers. <i>Chemical Engineering Science</i> , 2007, 62, 4751-4759.	1.9	253
5	Role of C ⁺ N Configurations in the Photoluminescence of Graphene Quantum Dots Synthesized by a Hydrothermal Route. <i>Scientific Reports</i> , 2016, 6, 21042.	1.6	230
6	Functionalized carbon nanotube (CNT) membrane: progress and challenges. <i>RSC Advances</i> , 2017, 7, 51175-51198.	1.7	192
7	In Situ Production of Spherical Silica Particles Containing Self-Organized Mesopores. <i>Nano Letters</i> , 2001, 1, 231-234.	4.5	182
8	Preparation of functional nanostructured particles by spray drying. <i>Advanced Powder Technology</i> , 2006, 17, 587-611.	2.0	169
9	Facile Synthesis of New Full-Color-Emitting BCNO Phosphors with High Quantum Efficiency. <i>Advanced Materials</i> , 2008, 20, 3235-3238.	11.1	163
10	Experimental investigation of nanoparticle dispersion by beads milling with centrifugal bead separation. <i>Journal of Colloid and Interface Science</i> , 2006, 304, 535-540.	5.0	160
11	An experimental and modeling investigation of particle production by spray pyrolysis using a laminar flow aerosol reactor. <i>Journal of Materials Research</i> , 2000, 15, 733-743.	1.2	150
12	Scaling law on particle-to-fiber formation during electrospinning. <i>Polymer</i> , 2009, 50, 4935-4943.	1.8	139
13	Morphology optimization of polymer nanofiber for applications in aerosol particle filtration. <i>Separation and Purification Technology</i> , 2010, 75, 340-345.	3.9	137
14	Nanoparticle processing for optical applications – A review. <i>Advanced Powder Technology</i> , 2009, 20, 283-292.	2.0	114
15	Novel rare-earth-free tunable-color-emitting BCNO phosphors. <i>Journal of Materials Chemistry</i> , 2011, 21, 5183.	6.7	114
16	Formation of Highly Ordered Nanostructures by Drying Micrometer Colloidal Droplets. <i>ACS Nano</i> , 2010, 4, 4717-4724.	7.3	106
17	Controllability of Pore Size and Porosity on Self-Organized Porous Silica Particles. <i>Nano Letters</i> , 2002, 2, 389-392.	4.5	104
18	Fabrication of a large area monolayer of silica particles on a sapphire substrate by a spin coating method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 297, 71-78.	2.3	104

#	ARTICLE	IF	CITATIONS
19	Design of Pyrrolic-N-Rich Carbon Dots with Absorption in the First Near-Infrared Window for Photothermal Therapy. <i>ACS Applied Nano Materials</i> , 2018, 1, 2368-2375.	2.4	94
20	Carbon-Based Quantum Dots for Supercapacitors: Recent Advances and Future Challenges. <i>Nanomaterials</i> , 2021, 11, 91.	1.9	87
21	Transient nature of graphene quantum dot formation via a hydrothermal reaction. <i>RSC Advances</i> , 2014, 4, 55709-55715.	1.7	84
22	Functional Nanostructured Silica Powders Derived from Colloidal Suspensions by Sol Spraying. <i>Journal of Nanoparticle Research</i> , 2001, 3, 263-270.	0.8	83
23	Stable photoluminescence of zinc oxide quantum dots in silica nanoparticles matrix prepared by the combined sol-gel and spray drying method. <i>Journal of Applied Physics</i> , 2001, 89, 6431-6434.	1.1	80
24	Highly conductive nano-sized Magn ²⁺ phases titanium oxide (TiO _x). <i>Scientific Reports</i> , 2017, 7, 3646.	1.6	79
25	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
26	Beads Mill-Assisted Synthesis of Poly Methyl Methacrylate (PMMA)-TiO ₂ Nanoparticle Composites. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 2597-2604.	1.8	74
27	Kinetics of nitrogen-doped carbon dot formation via hydrothermal synthesis. <i>New Journal of Chemistry</i> , 2016, 40, 5555-5561.	1.4	73
28	Electrospun nanofiber from various source of expanded polystyrene (EPS) waste and their characterization as potential air filter media. <i>Waste Management</i> , 2020, 103, 76-86.	3.7	69
29	Dispersion Stability Enhancement of Titania Nanoparticles in Organic Solvent Using a Bead Mill Process. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 6916-6922.	1.8	68
30	Synthesis of spherical macroporous WO ₃ particles and their high photocatalytic performance. <i>Chemical Engineering Science</i> , 2013, 101, 523-532.	1.9	68
31	Direct synthesis of highly crystalline transparent conducting oxide nanoparticles by low pressure spray pyrolysis. <i>Advanced Powder Technology</i> , 2009, 20, 203-209.	2.0	66
32	Optical and electrical properties of indium tin oxide nanofibers prepared by electrospinning. <i>Nanotechnology</i> , 2008, 19, 145603.	1.3	64
33	Production of morphology-controllable porous hyaluronic acid particles using a spray-drying method. <i>Acta Biomaterialia</i> , 2009, 5, 1027-1034.	4.1	60
34	Biodegradable Polymer-Coated Multifunctional Graphene Quantum Dots for Light-Triggered Synergetic Therapy of Pancreatic Cancer. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2768-2781.	4.0	58
35	Preparation of microencapsulated powders by an aerosol spray method and their optical properties. <i>Advanced Powder Technology</i> , 2003, 14, 349-367.	2.0	57
36	Design of a highly ordered and uniform porous structure with multisized pores in film and particle forms using a template-driven self-assembly technique. <i>Acta Materialia</i> , 2010, 58, 282-289.	3.8	54

#	ARTICLE	IF	CITATIONS
37	Synthesis of LiNi _{0.85} Co _{0.14} Al _{0.01} O ₂ Cathode Material and its Performance in an NCA/Graphite Full-Battery. <i>Energies</i> , 2019, 12, 1886.	1.6	54
38	Synthesis of composite WO ₃ /TiO ₂ nanoparticles by flame-assisted spray pyrolysis and their photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2014, 591, 121-126.	2.8	53
39	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
40	Nanometer to Submicrometer Magnesium Fluoride Particles with Controllable Morphology. <i>Langmuir</i> , 2010, 26, 12260-12266.	1.6	51
41	Simulation and experimental study of spray pyrolysis of polydispersed droplets. <i>Journal of Materials Research</i> , 2007, 22, 1888-1898.	1.2	50
42	Rapid Synthesis of Non-Aggregated Fine Chlorapatite Blue Phosphor Powders with High Quantum Efficiency. <i>Advanced Materials</i> , 2008, 20, 3422-3426.	11.1	50
43	Direct white light emission from a rare-earth-free aluminium-boron-carbon oxynitride phosphor. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4297-4303.	2.7	50
44	Regeneration of LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ Cathode Active Materials from End-of-Life Lithium-Ion Batteries through Ascorbic Acid Leaching and Oxalic Acid Coprecipitation Processes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16104-16114.	3.2	50
45	Sustainable porous hollow carbon spheres with high specific surface area derived from Kraft lignin. <i>Advanced Powder Technology</i> , 2021, 32, 2064-2073.	2.0	46
46	Fabrication and Characterization of a Yellow-Emitting BCNO Phosphor for White Light-Emitting Diodes. <i>Electrochemical and Solid-State Letters</i> , 2009, 12, J33.	2.2	43
47	Nanosized Polymer Particle-facilitated Preparation of Mesoporous Silica Particles Using a Spray Method. <i>Chemistry Letters</i> , 2008, 37, 1040-1041.	0.7	42
48	Effect of the Carbon Source on the Luminescence Properties of Boron Carbon Oxynitride Phosphor Particles. <i>Journal of the Electrochemical Society</i> , 2010, 157, J329.	1.3	42
49	Air filtration media from electrospun waste high-impact polystyrene fiber membrane. <i>Materials Research Express</i> , 2018, 5, 035049.	0.8	42
50	Preparation of oxide particles with ordered macropores by colloidal templating and spray pyrolysis. <i>Acta Materialia</i> , 2004, 52, 5151-5156.	3.8	41
51	Controllable crystallite and particle sizes of WO ₃ particles prepared by a spray pyrolysis method and their photocatalytic activity. <i>AIChE Journal</i> , 2014, 60, 41-49.	1.8	40
52	Macroporous anatase titania particle: Aerosol self-assembly fabrication with photocatalytic performance. <i>Chemical Engineering Journal</i> , 2009, 152, 293-296.	6.6	39
53	Direct synthesis of spherical YAG:Ce phosphor from precursor solution containing polymer and urea. <i>Chemical Engineering Journal</i> , 2012, 210, 461-466.	6.6	39
54	Fabrication and Characterization of SiO ₂ Particles Generated by Spray Method for Standards Aerosol. <i>Journal of Chemical Engineering of Japan</i> , 2001, 34, 1285-1292.	0.3	38

#	ARTICLE	IF	CITATIONS
55	Self-organization kinetics of mesoporous nanostructured particles. <i>AIChE Journal</i> , 2004, 50, 2583-2593.	1.8	38
56	Production of Narrow-Size-Distribution Polymer-Pigment-Nanoparticle Composites via Electrohydrodynamic Atomization. <i>Macromolecular Materials and Engineering</i> , 2007, 292, 495-502.	1.7	38
57	Controlled morphology of electrospun nanofibers from waste expanded polystyrene for aerosol filtration. <i>Nanotechnology</i> , 2019, 30, 425602.	1.3	38
58	Recent advances and rational design strategies of carbon dots towards highly efficient solar evaporation. <i>Nanoscale</i> , 2021, 13, 7523-7532.	2.8	38
59	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
60	Role of urea addition in the preparation of tetragonal BaTiO ₃ nanoparticles using flame-assisted spray pyrolysis. <i>Journal of the European Ceramic Society</i> , 2008, 28, 2573-2580.	2.8	36
61	A constant-current electrospinning system for production of high quality nanofibers. <i>Review of Scientific Instruments</i> , 2008, 79, 093904.	0.6	36
62	Patterned indium tin oxide nanofiber films and their electrical and optical performance. <i>Nanotechnology</i> , 2008, 19, 375601.	1.3	36
63	Nanoparticle formation in spray pyrolysis under low-pressure conditions. <i>Chemical Engineering Science</i> , 2010, 65, 1846-1854.	1.9	36
64	Versatilely tuned vertical silicon nanowire arrays by cryogenic reactive ion etching as a lithium-ion battery anode. <i>Scientific Reports</i> , 2021, 11, 19779.	1.6	36
65	Nanoparticle formation through solidified flame synthesis: Experiment and modeling. <i>AIChE Journal</i> , 2009, 55, 885-895.	1.8	35
66	Viscosity Reduction of Heavy Oil Using Nanocatalyst in Aquathermolysis Reaction. <i>KONA Powder and Particle Journal</i> , 2016, 33, 3-16.	0.9	34
67	A modified Marcano method for improving electrical properties of reduced graphene oxide (rGO). <i>Materials Research Express</i> , 2017, 4, 064001.	0.8	33
68	Measurement of the Effective Density of Both Spherical Aggregated and Ordered Porous Aerosol Particles Using Mobility- and Mass-Analyzers. <i>Aerosol Science and Technology</i> , 2009, 43, 136-144.	1.5	32
69	Synthesis of nanocrystalline GaN from Ga ₂ O ₃ nanoparticles derived from salt-assisted spray pyrolysis. <i>Advanced Powder Technology</i> , 2009, 20, 29-34.	2.0	32
70	Highly ordered porous monolayer generation by dual-speed spin-coating with colloidal templates. <i>Chemical Engineering Journal</i> , 2011, 167, 409-415.	6.6	32
71	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
72	Optical band gap and ultralow dielectric constant materials prepared by a simple dip coating process. <i>Journal of Applied Physics</i> , 2003, 93, 9237-9242.	1.1	30

#	ARTICLE	IF	CITATIONS
73	Characterization of dip-coated ITO films derived from nanoparticles synthesized by low-pressure spray pyrolysis. <i>Journal of Nanoparticle Research</i> , 2006, 8, 343-350.	0.8	30
74	Chemical and photoluminescence analyses of new carbon-based boron oxynitride phosphors. <i>Materials Research Bulletin</i> , 2009, 44, 2099-2102.	2.7	30
75	Highly Luminous Hollow Chlorapatite Phosphors Formed by a Template-Free Aerosol Route for Solid-State Lighting. <i>Chemistry of Materials</i> , 2009, 21, 4685-4691.	3.2	29
76	High performance electrospinning system for fabricating highly uniform polymer nanofibers. <i>Review of Scientific Instruments</i> , 2009, 80, 026106.	0.6	28
77	Tailored synthesis of macroporous Pt/WO ₃ photocatalyst with nanoaggregates via flame assisted spray pyrolysis. <i>AIChE Journal</i> , 2016, 62, 3864-3873.	1.8	28
78	One-Step Synthesis for Zn ₂ SiO ₄ :Mn Particles 0.3-1.3 μ m in Size with Spherical Morphology and Non-Aggregation. <i>Japanese Journal of Applied Physics</i> , 2000, 39, L1051-L1053.	0.8	27
79	Single Route for Producing Organized Metallic Domes, Dots, and Pores by Colloidal Templating and Over-Sputtering. <i>Advanced Materials</i> , 2002, 14, 930.	11.1	27
80	High Coercivity of Ordered Macroporous FePt Films Synthesized via Colloidal Templates. <i>Nano Letters</i> , 2005, 5, 1525-1528.	4.5	27
81	Indium Tin Oxide Nanofiber Film Electrode for High Performance Dye Sensitized Solar Cells. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 010213.	0.8	27
82	Selective Biosorption and Recovery of Tungsten from an Urban Mine and Feasibility Evaluation. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 2903-2910.	1.8	27
83	Fabrication and photoluminescence of highly crystalline GaN and GaN:Mg nanoparticles. <i>Journal of Crystal Growth</i> , 2005, 281, 234-241.	0.7	26
84	Single crystal ZnO:Al nanoparticles directly synthesized using low-pressure spray pyrolysis. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 151, 231-237.	1.7	26
85	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
86	Simple synthesis of GaN nanoparticles from gallium nitrate and ammonia aqueous solution under a flow of ammonia gas. <i>Materials Letters</i> , 2006, 60, 73-76.	1.3	25
87	Towards Better Phosphor Design: Effect of SiO ₂ Nanoparticles on Photoluminescence Enhancement of YAG:Ce. <i>ECS Journal of Solid State Science and Technology</i> , 2013, 2, R91-R95.	0.9	25
88	The influence of copper addition on the electrical conductivity and charge transfer resistance of reduced graphene oxide (rGO). <i>New Journal of Chemistry</i> , 2018, 42, 16362-16371.	1.4	25
89	High performance of GaN thin films grown on sapphire substrates coated with a silica-submicron-sphere monolayer film. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	24
90	Highly luminescent silica-coated ZnO nanoparticles dispersed in an aqueous medium. <i>Journal of Luminescence</i> , 2011, 131, 921-925.	1.5	24

#	ARTICLE	IF	CITATIONS
91	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
92	Rapid synthesis of a BN/CNT composite particle via spray routes using ferrocene/ethanol as a catalyst/carbon source. <i>Materials Letters</i> , 2009, 63, 1847-1850.	1.3	23
93	Intense UV-light absorption of ZnO nanoparticles prepared using a pulse combustion-spray pyrolysis method. <i>Chemical Engineering Journal</i> , 2009, 155, 433-441.	6.6	23
94	Characterization of silica-coated Ag nanoparticles synthesized using a water-soluble nanoparticle micelle. <i>Advanced Powder Technology</i> , 2009, 20, 94-100.	2.0	23
95	A New Physical Route to Produce Monodispersed Microsphere Nanoparticle~Polymer Composites. <i>Langmuir</i> , 2009, 25, 11038-11042.	1.6	23
96	Direct synthesis of hBN/MWCNT composite particles using spray pyrolysis. <i>Journal of Alloys and Compounds</i> , 2009, 471, 166-171.	2.8	23
97	Enhanced photoluminescence of ZnO~SiO ₂ nanocomposite particles and the analyses of structure and composition. <i>Journal of Luminescence</i> , 2011, 131, 138-146.	1.5	23
98	Influence of Polymer Decomposition Temperature on the Formation of Rare-Earth Free Boron Carbon Oxynitride Phosphors. <i>Journal of Chemical Engineering of Japan</i> , 2012, 45, 995-1000.	0.3	23
99	Microwave synthesis of homogeneous and highly luminescent BCNO nanoparticles for the light emitting polymer materials. <i>Journal of Luminescence</i> , 2015, 166, 148-155.	1.5	23
100	Preparation and characterization of nanopigment~poly(styrene~butyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38 suspension polymerization. <i>Journal of Applied Polymer Science</i> , 2008, 108, 1288-1297.	1.3	22
101	Utilisation of the magnetic sensor in a smartphone for facile magnetostatics experiment: magnetic field due to electrical current in straight and loop wires. <i>Physics Education</i> , 2017, 52, 015015.	0.3	22
102	Multilayer film deposition of Ag and SiO ₂ nanoparticles using a spin coating process. <i>Thin Solid Films</i> , 2008, 516, 8721-8725.	0.8	21
103	Morphology and Particle Size Distribution Controls of Droplet-to-Macroporous/Hollow Particles Formation in Spray Drying Process of Colloidal Mixtures Precursor. <i>Aerosol Science and Technology</i> , 2009, 43, 1184-1191.	1.5	21
104	Vertically Aligned n-Type Silicon Nanowire Array as a Free-Standing Anode for Lithium-Ion Batteries. <i>Nanomaterials</i> , 2021, 11, 3137.	1.9	21
105	Photoluminescent and crystalline properties of Y ₃ ~xAl ₅ O ₁₂ :Ce _x ³⁺ phosphor nanofibers prepared by electrospinning. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	20
106	Characterization of silica-coated silver nanoparticles prepared by a reverse micelle and hydrolysis~condensation process. <i>Chemical Engineering Journal</i> , 2010, 156, 200-205.	6.6	20
107	Measuring the effective density, porosity, and refractive index of carbonaceous particles by tandem aerosol techniques. <i>Carbon</i> , 2011, 49, 2163-2172.	5.4	20
108	Ethylene Glycol Route Synthesis of Nickel Oxide Nanoparticles as a Catalyst in Aquathermolysis. <i>Materials Science Forum</i> , 0, 737, 93-97.	0.3	20

#	ARTICLE	IF	CITATIONS
109	Precisely tailored synthesis of hexagonal hollow silica plate particles and their polymer nanocomposite films with low refractive index. <i>Journal of Colloid and Interface Science</i> , 2020, 571, 378-386.	5.0	20
110	A red emitting of manganese-doped boron carbon oxynitride (BCNO) phosphor materials: facile approach and photoluminescence properties. <i>RSC Advances</i> , 2017, 7, 4161-4166.	1.7	19
111	Electrochemical properties of TiO ₂ /rGO composite as an electrode for supercapacitors. <i>RSC Advances</i> , 2019, 9, 27896-27903.	1.7	19
112	A Role of Template Surface Charge in the Preparation of Porous and Hollow Particles Using Spray-drying. <i>Chemistry Letters</i> , 2009, 38, 1076-1077.	0.7	18
113	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
114	Recovery and Recycling of Tungsten by Alkaline Leaching of Scrap and Charged Amino Group Assisted Precipitation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4246-4252.	3.2	18
115	Silica Films Containing Ordered Pores Prepared by Dip Coating of Silica Nanoparticles and Polystyrene Beads Colloidal Mixture. <i>Journal of Sol-Gel Science and Technology</i> , 2004, 29, 41-47.	1.1	17
116	Effect of X-ray energy and ionization time on the charging performance and nanoparticle formation of a soft X-ray photoionization charger. <i>Advanced Powder Technology</i> , 2009, 20, 529-536.	2.0	17
117	Simple preparation of Fenton catalyst@bacterial cellulose for waste water treatment. <i>Materials Research Express</i> , 2018, 5, 024005.	0.8	17
118	On-demand tuning of charge accumulation and carrier mobility in quantum dot solids for electron transport and energy storage devices. <i>NPG Asia Materials</i> , 2020, 12, .	3.8	17
119	Silica-supported carboxylated cellulose nanofibers for effective lysozyme adsorption: Effect of macropore size. <i>Advanced Powder Technology</i> , 2020, 31, 2932-2941.	2.0	17
120	Facile and Efficient Removal of Tungsten Anions Using Lysine-Promoted Precipitation for Recycling High-Purity Tungsten. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3141-3147.	3.2	16
121	Natural Rubber Nanocomposite as Human-Tissue-Mimicking Materials for Replacement Cadaver in Medical Surgical Practice. <i>Procedia Engineering</i> , 2017, 170, 101-107.	1.2	16
122	Heating Profile Effect on Morphology, Crystallinity, and Photoluminescent Properties of Y ₂ O ₃ :Eu ³⁺ Phosphor Nanofibers Prepared Using an Electrospinning Method. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 6705.	0.8	15
123	Photoluminescence Characteristics of Macroporous Eu-Doped Yttrium Oxide Particles Prepared by Spray Pyrolysis. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 032001.	0.8	15
124	Syntheses of Hematite (Fe ₂ O ₃) Nanoparticles Using Microwave-Assisted Calcination Method. <i>Materials Science Forum</i> , 0, 737, 197-203.	0.3	15
125	Improving the Crystallinity and Purity of Monodisperse Ag Fine Particles by Heating Colloidal Sprays In-Flight. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 5745-5751.	1.8	15
126	Monolayer deposition of L10 FePt nanoparticles via electrospray route. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 313, 62-68.	1.0	14

#	ARTICLE	IF	CITATIONS
127	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
128	Fabrication of L10 FePtAg nanoparticles and a study of the effect of Ag during the annealing process. Journal of Magnetism and Magnetic Materials, 2006, 305, 514-519.	1.0	13
129	Particle dynamics simulation of nanoparticle formation in a flame reactor using a polydispersed submicron-sized solid precursor. Chemical Engineering Journal, 2010, 158, 362-367.	6.6	13
130	Synthesis of uniformly porous NiO/ZrO ₂ particles. Materials Research Bulletin, 2011, 46, 708-715.	2.7	13
131	Preparation of Polyacrylonitrile Nanofibers with Controlled Morphology Using a Constant-Current Electrospinning System for Filter Applications. Materials Science Forum, 0, 737, 159-165.	0.3	13
132	Photoluminescence optimization of BCNO phosphors synthesized using citric acid as a carbon source. Advanced Powder Technology, 2014, 25, 891-895.	2.0	13
133	Fe ₃ O ₄ /Zeolite nanocomposites synthesized by microwave assisted coprecipitation and its performance in reducing viscosity of heavy oil. AIP Conference Proceedings, 2014, , .	0.3	13
134	A rational design of carbon dots <i>via</i> the combination of nitrogen and oxygen functional groups towards the first NIR window absorption. Journal of Materials Chemistry C, 2022, 10, 1394-1402.	2.7	13
135	Coke-Resistant Ni/CeZrO ₂ Catalysts for Dry Reforming of Methane to Produce Hydrogen-Rich Syngas. Nanomaterials, 2022, 12, 1556.	1.9	13
136	Controlled synthesis of carbon-based alumina nanophosphors with tunable blue-green luminescence. Materials Letters, 2010, 64, 836-839.	1.3	12
137	Synthesis of Ni _x Fe _{3-x} O ₄ Nanoparticles by Microwave-Assisted Coprecipitation and their Application in Viscosity Reduction of Heavy Oil. Materials Science Forum, 2013, 737, 204-208.	0.3	12
138	A simple straightforward thermal decomposition synthesis of PEG-covered Gd ₂ O ₃ (Gd ₂ O ₃ @PEG) nanoparticles. Advanced Powder Technology, 2016, 27, 1800-1805.	2.0	12
139	Measurement of 3-axis magnetic fields induced by current wires using a smartphone in magnetostatics experiments. Physics Education, 2017, 52, 065011.	0.3	12
140	Stable layered-layered-spinel structure of the Li _{1.2} Ni _{0.13} Co _{0.13} Mn _{0.54} O ₂ cathode synthesized by ball-milling assisted solid-state method. Journal of Electroanalytical Chemistry, 2022, 907, 116050.	1.9	12
141	Sintering behavior of spherical aggregated nanoparticles prepared by spraying colloidal precursor in a heated flow. Advanced Powder Technology, 2009, 20, 318-326.	2.0	11
142	Heat-treated Escherichia coli as a high-capacity biosorbent for tungsten anions. Bioresource Technology, 2016, 218, 140-145.	4.8	11
143	Facile deposition of reduced graphene oxide-based transparent conductive film with microwave assisted method. Thin Solid Films, 2019, 692, 137618.	0.8	11
144	Green recycle processing of cathode active material from LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ (NCM 111) battery waste through citric acid leaching and oxalate co-precipitation process. Materials Today: Proceedings, 2021, 44, 3378-3380.	0.9	11

#	ARTICLE	IF	CITATIONS
145	Fabrication and structure optimization of expanded polystyrene (EPS) waste fiber for high-performance air filtration. Powder Technology, 2022, 402, 117357.	2.1	11
146	NCM cathode active materials reproduced from end-of-life Li-ion batteries using a simple and green hydrometallurgical recycling process. Materials Research Bulletin, 2022, 153, 111901.	2.7	11
147	Facile Method for the Fabrication of Vertically Aligned ITO Nanopillars with Excellent Properties. Chemistry of Materials, 2009, 21, 4087-4089.	3.2	10
148	Preliminary study of natural zeolite as catalyst for decreasing the viscosity of heavy oil. , 2013, , .		10
149	Synthesis and photoluminescence of BCNO/SiO ₂ nanocomposite phosphor materials. Journal of Luminescence, 2014, 148, 165-168.	1.5	10
150	Preparation of Copper Iodide (CuI) Thin Film by In-Situ Spraying and Its Properties. Journal of Physics: Conference Series, 2016, 739, 012050.	0.3	10
151	Using a smartphone's magnetic sensor in a low-cost experiment to study the magnetic field due to Helmholtz and anti-Helmholtz coil. Physics Education, 2019, 54, 015023.	0.3	10
152	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
153	Interaction of Deposited Aerosol Particles with the Alveolar Liquid Layer. , 2003, , 205-216.		9
154	Morphology-controlled synthesis of chromia-titania nanofibers via electrospinning followed by annealing. Materials Chemistry and Physics, 2009, 116, 169-174.	2.0	9
155	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
156	Catalytic oxidation of benzene at low temperature over novel combination of metal oxide based catalysts: CuO, MnO ₂ , NiO with Ce _{0.75} Zr _{0.25} O ₂ as support. Materials Today Chemistry, 2020, 17, 100305.	1.7	9
157	Effect of H ₂ SO ₄ /H ₂ O ₂ pre-treatment on electrochemical properties of exfoliated graphite prepared by an electro-exfoliation method. RSC Advances, 2021, 11, 10881-10890.	1.7	9
158	Insights into the intermolecular interactions and temperature-concentration dependence of transport in ionic liquid-based TFSI/LiTFSI electrolytes. New Journal of Chemistry, 2022, 46, 3966-3977.	1.4	9
159	Numerical Simulation of Tunneling Current in an Anisotropic Metal-Oxide-Semiconductor Capacitor. TELKOMNIKA Indonesian Journal of Electrical Engineering, 2012, 10, .	0.1	8
160	Morphology Controlled Electrospun Nanofibers for Humidity Sensor Application. , 2011, , .		7
161	Ion-induced nucleation rate measurement in SO ₂ /H ₂ O/N ₂ gas mixture by soft X-ray ionization at various pressures and temperatures. Advanced Powder Technology, 2013, 24, 143-149.	2.0	7
162	Microwave-Assisted Solid State Synthesis of Red-Emitting BCNO Phosphor and its Characteristics. Advanced Materials Research, 0, 896, 464-467.	0.3	7

#	ARTICLE	IF	CITATIONS
163	Synthesis of Fe ₃ O ₄ Nanoparticles Using the Co-Precipitation Method and its Development into Nanofluids as a Catalyst in Aquathermolysis Reactions. <i>Advanced Materials Research</i> , 2015, 1112, 205-208.	0.3	7
164	Synthesis of Reduced Graphene Oxide (rGO)/Ni Composite by a Combination of Marciano's and Microwave Assisted Reduction Methods. <i>Advanced Materials Research</i> , 0, 1112, 290-293.	0.3	7
165	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
166	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
167	Photoluminescence Properties of Submicrometer Phosphors with Different Crystallite/Particle Sizes. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 7220-7223.	0.8	6
168	Analysis of fluid permeation through a particle-packed layer using an electric resistance network as an analogy. <i>Powder Technology</i> , 2009, 191, 39-46.	2.1	6
169	Electrochemical impedance analysis of polyvinylpyrrolidone-coated sulfur/reduced graphene oxide (S/rGO) electrode. <i>Materials Research Express</i> , 2019, 6, 025514.	0.8	6
170	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
171	Fabrication of Electrospun Nanofiber from Waste Expanded Polystyrene for Aerosol Filtration Application. <i>Advanced Science Letters</i> , 2017, 23, 5729-5732.	0.2	6
172	Solid-state nitrogen-doped carbon nanoparticles with tunable emission prepared by a microwave-assisted method. <i>RSC Advances</i> , 2021, 11, 39917-39923.	1.7	6
173	Technology Innovation in the Nanoparticle Project. <i>KONA Powder and Particle Journal</i> , 2007, 25, 237-243.	0.9	5
174	Synthesis of TiO ₂ Nanofluids by Wet Mechanochemical Process. <i>AIP Conference Proceedings</i> , 2011, , .	0.3	5
175	Composited reduced graphene oxide into LiFePO ₄ /Li ₂ SiO ₃ and its electrochemical impedance spectroscopy properties. <i>Materials Research Express</i> , 2017, 4, 034005.	0.8	5
176	Preliminary Studies of Thermoluminescence Dosimeter (TLD) CaSO ₄ :Dy Synthesis. <i>Journal of Physics: Conference Series</i> , 2017, 877, 012065.	0.3	5
177	Reaction of Hydrogen Chloride with Hydrated Lime for Flue Gas Cleaning of Incinerators. <i>Kagaku Kogaku Ronbunshu</i> , 2007, 33, 154-159.	0.1	5
178	Role of Intrinsic Points Defects on the Electronic Structure of Metal-Insulator Transition <i>h</i> -FeS. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10777-10782.	2.1	5
179	Synergetic effect of the surface ligand and SiO ₂ driven photoluminescence stabilization of the CH ₃ NH ₃ PbBr ₃ perovskite magic-sized clusters. <i>Scientific Reports</i> , 2021, 11, 22211.	1.6	5
180	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

#	ARTICLE	IF	CITATIONS
181	Evolutions of the optical properties in green-emitting MAPbBr ₃ perovskite nanoplatelets/polymethyl methacrylate (PMMA) composite films for light-emitting diode applications. Journal of Luminescence, 2022, 248, 118954.	1.5	5
182	Optimization of Coating Temperature of TiO ₂ Nanoparticles on the Polypropylene Copolymer Surface for Photodegradation of Methylene Blue. , 2011, , .		4
183	Effect of Silica Nanoparticles on the Photoluminescence Properties of BCNO Phosphor. , 2011, , .		4
184	Perpendicular easy axis alignment of FePt nanoparticles on a platinum-(001) buffer layer for high-density magnetic recording. Journal of Applied Physics, 2011, 110, 083906.	1.1	4
185	Fluorescent of C-dot composite thin films and its properties. , 2014, , .		4
186	Synthesis of Fe₂O₃/C Nanocomposite Using Microwave Assisted Calcination Method. Advanced Materials Research, 0, 896, 100-103.	0.3	4
187	Effect of temperature and precursor concentration on the morphology of Cu/Al ₂ O ₃ prepared via urea combustion method. Materials Research Express, 2017, 4, 044002.	0.8	4
188	Facile solvothermal synthesis and functionalization of polyethylene glycol-coated paramagnetic Gd ₂ (CO ₃) ₃ particles and corresponding Gd ₂ O ₃ nanoparticles for use as MRI contrast agents. Journal of Science: Advanced Materials and Devices, 2019, 4, 72-79.	1.5	4
189	Rapid growth of the CH ₃ NH ₃ PbCl ₃ single crystal by microwave irradiation. RSC Advances, 2021, 11, 1360-1366.	1.7	4
190	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
191	Control of Particle Morphology from Porous to Hollow by Spray-Drying with a Two-Fluid Nozzle and Template Materials. Kagaku Kogaku Ronbunshu, 2007, 33, 468-475.	0.1	3
192	Controllable Mesopore-size and Outer Diameter of Silica Nanoparticles Prepared by a Novel Water/Oil-Phase Technique. Materials Research Society Symposia Proceedings, 2009, 1220, 4051.	0.1	3
193	Experimental evaluation of the pressure and temperature dependence of ion-induced nucleation. Journal of Chemical Physics, 2010, 133, 124315.	1.2	3
194	Resistors Network Model of Bcc Cell for Investigating Thermal Conductivity of Nanofluids. , 2011, , .		3
195	The influence of reduced graphene oxide on electrical conductivity of LiFePO ₄ -based composite as cathode material. AIP Conference Proceedings, 2016, , .	0.3	3
196	Predicting jet radius in electrospinning by superpositioning exponential functions. Journal of Physics: Conference Series, 2016, 739, 012097.	0.3	3
197	Development of DMA-Faraday Cup Electrometer system for measurement of submicron aerosol particles. AIP Conference Proceedings, 2000, , .	0.3	2
198	Preparation of Ni/BaTiO ₃ Core-shell Particle by Spray Drying Process. Journal of the Society of Powder Technology, Japan, 2009, 46, 813-818.	0.0	2

#	ARTICLE	IF	CITATIONS
199	Effect of Silica Nanoparticles on Compressive Strength of Leaves-Waste Composite. , 2011, , .		2
200	Simulation of Leakage Current in Si ² •Ge ² •Si Quantum Dot Floating Gate MOSFET Using High-K Material as Tunnel Oxide. , 2011, , .		2
201	Analysis of Mechanical Properties of Single-Wall Carbon Nanotube by Using Finite Element Method. , 2011, , .		2
202	Quantum Size Effect Simulation on the Electronic Characteristic of Silicon Based Single Electron Transistor. , 2011, , .		2
203	Analysis of electron leakage current in MOS capacitors by using anisotropic and isotropic mass approaches. Electronics Letters, 2012, 48, 1585-1586.	0.5	2
204	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
205	Synthesis of LiFePO ₄ /Li ₂ SiO ₃ /reduced Graphene Oxide (rGO) Composite via Hydrothermal Method. Journal of Physics: Conference Series, 2016, 739, 012087.	0.3	2
206	Synthesis of gadolinium carbonate-conjugated-poly(ethylene)glycol (Gd ₂ (CO ₃) ₃ @PEG) particles via a modified solvothermal method. AIP Conference Proceedings, 2016, , .	0.3	2
207	Preliminary Study of the Effect Microwave-Heating on the Morphology and Surface Area of NaX Zeolite. Materials Science Forum, 0, 895, 69-72.	0.3	2
208	Natural Rubber Nanocomposite with Human-Tissue-Like Mechanical Characteristic. IOP Conference Series: Materials Science and Engineering, 2017, 214, 012002.	0.3	2
209	PTFE Additive and Re-annealing Effect on Thermoluminescence Response of CaSO ₄ :Dy Derived from Co-precipitation Method. IOP Conference Series: Materials Science and Engineering, 2017, 214, 012036.	0.3	2
210	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
211	Applying Pulse Height Analysis (PHA) Technique on an Optical Particle Counter (OPC) using Commercial ADC Module. Materials Today: Proceedings, 2019, 13, 252-257.	0.9	2
212	Numerical Simulation of Tunneling Current in an Anisotropic Metal-Oxide-Semiconductor Capacitor. Telkomnika (Telecommunication Computing Electronics and Control), 2012, 10, 477.	0.6	2
213	Effect of post-treatment drying processes on the optical and photothermal properties of carbon nanodots derived via microwave-assisted method. IOP Conference Series: Earth and Environmental Science, 2022, 1017, 012009.	0.2	2
214	Semiconductor Nanoparticle-Polymer Composites. , 2006, , 275-310.		1
215	A Nanoporous Carbon•Exfoliated Graphite Composite For Supercapacitor Electrodes. , 2010, , .		1
216	Electron Tunnel Current through HfO ₂ •SiO ₂ Nanometer-thick Layers with a Trapped Charge: Effects of Electron Incident Angle and Silicon Substrate Orientation. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
217	Fabrication of BCNO-composite thin film phosphors and controlling its thickness. , 2013, , .		1
218	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
219	Effect of precursor concentration on the electrical properties of LiFePO ₄ prepared by solvothermal method. AIP Conference Proceedings, 2016, , .	0.3	1
220	Initial Study on Thin Film Preparation of Carbon Nanodots Composites as Luminescence Material. Journal of Physics: Conference Series, 2016, 739, 012010.	0.3	1
221	Preliminary Study of Heat Supply during Carbon Nanodots Synthesis by Microwave-assisted Method. Journal of Physics: Conference Series, 2016, 739, 012045.	0.3	1
222	Microwave Synthesis of BCNO/SiO ₂ Nanocomposite Material. IOP Conference Series: Materials Science and Engineering, 2017, 214, 012016.	0.3	1
223	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
224	Catalytic oxidation of benzene using nano-CuO/ γ -Al ₂ O ₃ and commercial catalysts. IOP Conference Series: Earth and Environmental Science, 2018, 105, 012039.	0.2	1
225	Study on Graphene Oxide (GO) Supernatant Dilution to the Optical and Electrical Properties of TCF Based-reduced Graphene Oxide (RGO) Films. IOP Conference Series: Materials Science and Engineering, 2019, 599, 012003.	0.3	1
226	Physicochemical study of multicolor BCNO phosphors using a urea combustion method. Materials Research Express, 2019, 6, 026206.	0.8	1
227	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 ₂ Retention. Journal of Engineering and Technological Sciences, 2018, 50, 240-254.	0.3	1
228	Suggesting a derivative of isoindol-1-one from a Vitex species. , 2010, , .		0
229	Preface: The 4 th Nanoscience and Nanotechnology Symposium (NNS2011). , 2011, , .		0
230	An Analysis of Electron Direct Tunneling Current through a High-K MOS Capacitor by Including the Effect of a Trap between HfO ₂ and SiO ₂ Interfaces. , 2011, , .		0
231	Molecular Dynamics Simulation of Smaller Granular Particles Deposition on a Larger One Due to Velocity Sequence Dependent Electrical Charge Distribution. , 2011, , .		0
232	Simulation of Electron Tunnel Current through HfO ₂ •SiO ₂ Nanometer-thick Layers with a Trapped Charge of a MOS Capacitor Using a Transfer-Matrix Method. , 2011, , .		0
233	New Strategies on the Development of Nanoparticle Technology. , 2011, , .		0
234	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

#	ARTICLE	IF	CITATIONS
235	Solvothermal synthesis of lithium iron phosphate from a high concentration precursor. , 2013, , .		0
236	Preface: The 2nd International Conference on Theoretical and Applied Physics (ICTAP-2012). , 2013, , .		0
237	Simulation of electron-matter interaction during wet-STEM electron tomography. , 2014, , .		0
238	A System for Characterizing Batteries and their Charging-Discharging Properties. Applied Mechanics and Materials, 2015, 771, 96-99.	0.2	0
239	Preliminary study on preparation of BCNO phosphor particles using citric acid as carbon source. AIP Conference Proceedings, 2015, , .	0.3	0
240	Absorbance Studies of Perovskite $\text{CH}_3\text{NH}_3\text{Pb}_{(3-x)}\text{Cl}_x$ as Light Harvester in Solar Cell. Advanced Materials Research, 2015, 1112, 282-285.	0.3	0
241	Simulation of electron transmittance and tunnel current in n+ Poly-Si/HfSiO ₂ /Trap/SiO ₂ /Si(100) capacitors using analytical and numerical approaches. AIP Conference Proceedings, 2015, , .	0.3	0
242	First Principle Calculation of $\text{Li}_2\text{Fe}_{0.5}\text{Cr}_{0.5}\text{SiO}_4$ for Li-Ion Battery Cathode. Advanced Materials Research, 2015, 1112, 286-289.	0.3	0
243	Preliminary Study on Synthesis of Organolead Halide with Lead Derived from Solder Wire. Journal of Physics: Conference Series, 2016, 739, 012098.	0.3	0
244	Enhancing the Electrical Conductivity of Graphene Oxide Reduced by L-Ascorbic Acid via Microwave-Assisted Method. , 2018, , .		0
245	The enhancement on thermoluminescence response of rare earth metal-doped $\text{CaSO}_4/\text{CaF}_2$ -based thermoluminescence dosimetry driven by polytetrafluoroethylene decomposition. Materials Research Express, 2018, 5, 106201.	0.8	0
246	The Effect of Microwave Duty Cycle on The Electrical Conductivity of Reduced Graphene Oxide (rGO). Journal of Physics: Conference Series, 2019, 1204, 012076.	0.3	0
247	Synthesis of Exfoliated Graphene as Anode Material using a Modified Electrochemical Process. , 2019, , .		0
248	Photoluminescence stability of $\text{CH}_3\text{NH}_3\text{PbBr}_3$ perovskite nanoparticles by adding SiO ₂ : Preliminary study. Materials Today: Proceedings, 2021, 44, 3309-3312.	0.9	0
249	Electrical Properties of Electrochemically Exfoliated Graphite with Copper Addition. Journal of Physics: Conference Series, 2021, 1811, 012042.	0.3	0
250	Numerical Simulation of Tunneling Current in an Anisotropic Metal-Oxide-Semiconductor Capacitor. Telkomnika (Telecommunication Computing Electronics and Control), 2012, 10, .	0.6	0
251	Surface Functional Groups Effect on the Absorption Spectrum of Carbon Dots: Initial TD-DFT Study. Journal of Physics: Conference Series, 2022, 2243, 012043.	0.3	0