

Camellia Panatarani

List of Publications by Year in descending order

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84
papers

696
citations

567281

15
h-index

610901

24
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84
all docs

84
docs citations

84
times ranked

697
citing authors

#	ARTICLE	IF	CITATIONS
1	The crystallinity and the photoluminescent properties of spray pyrolyzed ZnO phosphor containing Eu ²⁺ and Eu ³⁺ ions. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 1843-1847.	4.0	69
2	Characteristics of crystalline silica (SiO ₂) particles prepared by simple solution method using sodium silicate (Na ₂ SiO ₃) precursor. <i>Journal of Physics: Conference Series</i> , 2018, 1080, 012006.	0.4	50
3	Synthesis of Single Crystalline ZnO Nanoparticles by Salt-Assisted Spray Pyrolysis. <i>Journal of Nanoparticle Research</i> , 2003, 5, 47-53.	1.9	45
4	Preparation of zinc oxide/silica nanocomposite particles via consecutive sol-gel and flame-assisted spray-drying methods. <i>Chemical Engineering Journal</i> , 2014, 254, 252-258.	12.7	38
5	One-step synthesis and photoluminescence of doped strontium titanate particles with controlled morphology. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004, 113, 60-66.	3.5	28
6	UV-screening, transparency and water barrier properties of semi refined iota carrageenan packaging film incorporated with ZnO nanoparticles. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	28
7	Enhanced multi functionality of semi-refined iota carrageenan as food packaging material by incorporating SiO ₂ and ZnO nanoparticles. <i>Heliyon</i> , 2021, 7, e06963.	3.2	28
8	Origin of Magnetization in Silica-coated Fe ₃ O ₄ Nanoparticles Revealed by Soft X-ray Magnetic Circular Dichroism. <i>Brazilian Journal of Physics</i> , 2022, 52, .	1.4	27
9	Cyclic Voltammetric Study of Chromium (VI) and Chromium (III) on the Gold Nanoparticles-Modified Glassy Carbon Electrode. <i>Procedia Chemistry</i> , 2015, 17, 170-176.	0.7	25
10	Nanostructured ZnO/Y ₂ O ₃ :Eu for use as fillers in luminescent polymer electrolyte composites. <i>Journal of Alloys and Compounds</i> , 2004, 377, 298-305.	5.5	23
11	Optical transparency and mechanical properties of semi-refined iota carrageenan film reinforced with SiO ₂ as food packaging material. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	22
12	Formulation and characterization of Î±-mangostin in chitosan nanoparticles coated by sodium alginate, sodium silicate, and polyethylene glycol. <i>Journal of Pharmacy and Bioallied Sciences</i> , 2019, 11, 619.	0.6	21
13	Synthesis of silica particles by precipitation method of sodium silicate: Effect of temperature, pH and mixing technique. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	19
14	Design and development of DC high current sensor using Hall-Effect method. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	18
15	Synthesis and dispersion of nanoparticles, and Indonesian graphite processing. <i>AIP Conference Proceedings</i> , 2013, , .	0.4	17
16	Dispersion of amorphous silica nanoparticles via beads milling process and their particle size analysis, hydrophobicity and anti-bacterial activity. <i>Advanced Powder Technology</i> , 2020, 31, 370-380.	4.1	16
17	Polymer-supported solution synthesis of blue luminescent BaMgAl ₁₀ O ₁₇ :Eu ²⁺ particles. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 122, 188-195.	3.5	15
18	Mechanical and solubility properties of bio-nanocomposite film of semi refined kappa carrageenan/ZnO nanoparticles. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	15

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19	Preparation and Characterization of Nano Chitosan from Crab Shell Waste by Beads-milling Method. IOP Conference Series: Materials Science and Engineering, 2017, 193, 012043.	0.6	14
20	The toxicity evaluation of prepared Lantana camara nano extract against Spodoptera litura (Lepidoptera: Noctuidae). AIP Conference Proceedings, 2018, , .	0.4	13
21	Preparation and FTIR spectroscopic studies of SiO ₂ -ZnO nanoparticles suspension for the development of carrageenan-based bio-nanocomposite film. AIP Conference Proceedings, 2020, , .	0.4	11
22	Characteristics of TiO ₂ particles prepared by simple solution method using TiCl ₃ precursor. Journal of Physics: Conference Series, 2018, 1080, 012042.	0.4	10
23	Development and Characterization of Semi-Refined Iota Carrageenan/SiO ₂ -ZnO Bionanocomposite Film with the Addition of Cassava Starch for Application on Minced Chicken Meat Packaging. Foods, 2021, 10, 2776.	4.3	10
24	Dispersion of fine phosphor particles by newly developed beads mill. AIP Conference Proceedings, 2016, , .	0.4	9
25	Blue Luminescent of ZnO:Zn Nanocrystal Prepared by One Step Spray Pyrolysis Method. Materials Science Forum, 0, 737, 20-27.	0.3	7
26	Development and performance evaluation of air fine bubbles on water quality of thai catfish rearing. AIP Conference Proceedings, 2018, , .	0.4	7
27	Metal oxides, metal sulphides and hybrid cathode materials for aluminium ion batteries – a mini review. IOP Conference Series: Materials Science and Engineering, 2019, 550, 012003.	0.6	7
28	Purification and preparation of graphite oxide from natural graphite. AIP Conference Proceedings, 2016, , .	0.4	5
29	Microstructure Analysis of Zirconia-Alumina-Silica Particles Made from Indonesia Natural Sand Synthesized Using Spray Pyrolysis Method. Key Engineering Materials, 2016, 720, 285-289.	0.4	5
30	Synthesis and characterization of chitosan:SiO ₂ nanocomposite by ultrasonic spray drying. IOP Conference Series: Materials Science and Engineering, 2019, 550, 012037.	0.6	5
31	Visualization the electrostatic potential energy map of graphene quantum dots. AIP Conference Proceedings, 2020, , .	0.4	5
32	Solution Phase Synthesis and Photoluminescent Properties of Nanocrystal LaPO ₄ :Eu ³⁺ . , 2010, , .		4
33	Preparation of graphite oxide by sodium cholate intercalation and sonication from Indonesian natural graphite. AIP Conference Proceedings, 2016, , .	0.4	4
34	Development of microheaters for gas sensor with an AT-Mega 8535 temperature controller using a PWM (pulse width modulation) method. AIP Conference Proceedings, 2016, , .	0.4	4
35	Preparation and characterizations of electroluminescent <i>p</i> -ZnO : N/ <i>n</i> -ZnO : Ga/ITO thin films by spray pyrolysis method. AIP Advances, 2016, 6, .	1.3	4
36	Detection of mercury ions using L-cysteine modified electrodes by anodic stripping voltammetric method. AIP Conference Proceedings, 2018, , .	0.4	4

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37	Rare earth doped on LaPO ₄ nanocrystal. , 2012, , .		3
38	Development of spin coater with close loop control system using ATmega8535 microcontroller. AIP Conference Proceedings, 2016, , .	0.4	3
39	Effect of binders on natural graphite powder-based gas diffusion electrode for Mg-air cell. AIP Conference Proceedings, 2016, , .	0.4	3
40	A simple microcontroller-based sedimentation potential measurement for nanosuspension stability investigations. AIP Conference Proceedings, 2016, , .	0.4	3
41	Design and development of electric vehicle charging station equipped with RFID. AIP Conference Proceedings, 2016, , .	0.4	3
42	Morphological characterization of ceramic fillers made from Indonesian natural sand as restorative dental materials. AIP Conference Proceedings, 2018, , .	0.4	3
43	The effects of divalent and trivalent dopants on the luminescence properties of ZnO fine particle with oxygen vacancies. Advanced Powder Technology, 2020, 31, 2605-2612.	4.1	3
44	Dispersion of SiO ₂ and ZnO nanoparticles by bead milling in the preparation of carrageenan bio-nanocomposite film. AIP Conference Proceedings, 2020, , .	0.4	3
45	Synthesis of lithium cobalt oxide using low-pressure spray pyrolysis. , 2013, , .		2
46	Development and characterization of integrating sphere for photometry and radiometry measurement. , 2013, , .		2
47	Optimization of parameters and fabrication of Al-air batteries with economically feasible materials. Journal of Physics: Conference Series, 2018, 1080, 012046.	0.4	2
48	The addition of nanochitosan suspension as filler in carrageenan-tapioca biocomposite film. AIP Conference Proceedings, 2018, , .	0.4	2
49	Synthesis and characterization of ZnO:Ca ²⁺ prepared by simple solution method. AIP Conference Proceedings, 2018, , .	0.4	2
50	Antifeedant activity of Lantana camara nano suspension prepared by reverse emulsion of ethyl acetate active fraction at various surfactant organic-phase ratio. Biocatalysis and Agricultural Biotechnology, 2020, 29, 101805.	3.1	2
51	Dispersion of geothermal silica scaling by beads milling method. AIP Conference Proceedings, 2020, , .	0.4	2
52	Physicochemical characterizations and insecticidal properties of Lantana camara leaf ethanolic extract with powder application. AIP Conference Proceedings, 2020, , .	0.4	2
53	Antifeedant properties of fractionation Lantana camara leaf extract on cabbage caterpillars (Crociodolomia pavonana fabricius) larvae. IOP Conference Series: Earth and Environmental Science, 2020, 457, 012047.	0.3	2
54	Effect of mass ratio of chitosan:sodium tripolyphosphate on chitosan suspension prepared by beads milling process. AIP Conference Proceedings, 2020, , .	0.4	2

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55	Synthesis of rGO-Ni by microwave irradiation method. AIP Conference Proceedings, 2020, , .	0.4	2
56	Enhancement of solubility and dissolution of ibuprofen microparticle prepared by ultrasonic spray drying. Marmara Pharmaceutical Journal, 2017, 21, 783-792.	0.5	2
57	Efek Penambahan Suspensi Nanokitosan pada Edible Coating terhadap Aktivitas Antibakteri. Jurnal Pengolahan Hasil Perikanan Indonesia, 2018, 21, 127.	0.3	2
58	Superhydrophobic Ni-Reduced Graphene Oxide Hybrid Coatings with Quasi-Periodic Spike Structures. Nanomaterials, 2022, 12, 314.	4.1	2
59	Additional of polyethylene glycol on the preparation of LaPO ₄ :Eu ³⁺ phosphor. , 2013, , .		1
60	Optical properties of amorphous silicon quantum dots (a-Si QDs) with various dot size using extended Hul'ckel theory. AIP Conference Proceedings, 2013, , .	0.4	1
61	Integrating sphere design for characterization of LED efficacy. AIP Conference Proceedings, 2016, , .	0.4	1
62	Recent advances of rearing cabinet instrumentation and control system for insect stock culture. AIP Conference Proceedings, 2017, , .	0.4	1
63	The dispersion of fine chitosan particles by beads-milling. AIP Conference Proceedings, 2018, , .	0.4	1
64	Nanotechnology: Development and challenges in Indonesia. AIP Conference Proceedings, 2018, , .	0.4	1
65	Graphite tail powder and liquid biofertilizer as trace elements source for ground nut. AIP Conference Proceedings, 2018, , .	0.4	1
66	Development of high DC-current measurement system using closed loop Hall Effect configuration. IOP Conference Series: Materials Science and Engineering, 2019, 550, 012013.	0.6	1
67	Numerical investigation of droplet evaporation phenomena in the spray methods. IOP Conference Series: Materials Science and Engineering, 2019, 550, 012031.	0.6	1
68	Application of fine bubbles technology in wastewater treatment plant (WWTP) for aquaculture system. AIP Conference Proceedings, 2020, , .	0.4	1
69	Synthesize CaAl ₂ O ₄ :Mn ²⁺ via simple solution method. , 2020, , .		1
70	Development of Single-board Computer-based Self-Driving Car Model using CNN-Controlled RC Car. , 2022, , .		1
71	Preface: Padjadjaran International Physics Symposium 2013 (PIPS 2013). , 2013, , .		0
72	Improvement on droplet production rate of ultrasonic - nebulizer in spray pyrolysis process. , 2013, , .		0

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73	Development of a smart DC grid model. AIP Conference Proceedings, 2016, , .	0.4	0
74	Challenging and development of phosphors for lighting applications. AIP Conference Proceedings, 2016, , .	0.4	0
75	Development of aerosol assisted chemical vapor deposition for thin film fabrication. AIP Conference Proceedings, 2016, , .	0.4	0
76	Effectiveness of Two Type Coupling Agent of Dental Composite Nanofiller Prototype with Addition of Acetone in Preparation. Key Engineering Materials, 2018, 782, 244-249.	0.4	0
77	Development of DC smart grid model for voltage stability disturbance. IOP Conference Series: Materials Science and Engineering, 2019, 550, 012010.	0.6	0
78	Diametral Tensile Strength and Reflectance Evaluation of Dental Composite Prototype Using Modified Dental Composite Procedures. Key Engineering Materials, 2019, 829, 100-107.	0.4	0
79	Mechanical Test of Aluminum-Zirconium-Silicate Composite Prototype with Filler Volume Variation. Key Engineering Materials, 0, 829, 81-86.	0.4	0
80	Synthesis and Dispersion of Ni-Doped Cu₂/sub>ZnSnS₄. Key Engineering Materials, 0, 860, 42-50.	0.4	0
81	Degradation of methylene blue using bubbles treatment. AIP Conference Proceedings, 2020, , .	0.4	0
82	Tunable structure, morphology of Zn _{1-x} Mg _x O fine powder prepared by spray pyrolysis method and its luminescence properties. Advanced Powder Technology, 2020, 31, 2191-2196.	4.1	0
83	âf•ã,£ãf¼ãf«ãf%ã,“ãfÿãfã,ãfSãf³ãf†ã,£ã,¹ãf—ãf¬ã,ç”é...ãE—ç%ã©èã...%ã½“ã¾ãç²’ãã®è£½é€. Hosokawa Powder Technol		
84	The Effect of Nanozeolite Concentration in a Delivery System of HaNPV1 to the Lethal Time against Crocidolomia pavonana. Pertanika Journal of Science and Technology, 2020, 43, .	0.3	0