

Elias Saion

List of Publications by Year in descending order

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66
papers

2,983
citations

172207

29
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168136

53
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all docs

67
docs citations

67
times ranked

3894
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Characterization of Conducting Polyaniline Based on ANI-PVA-MgCl ₂ Composites Using Gamma Radiation Technique. IEEE Access, 2020, 8, 139479-139488.	2.6	7
2	Morphological, structural and optical behaviour of PVA capped binary (NiO) _{0.5} (Cr ₂ O ₃) _{0.5} nanoparticles produced via single step based thermal technique. Results in Physics, 2020, 17, 103059.	2.0	15
3	Radiation-induced synthesis, electrical and optical characterization of conducting polyaniline of PANI/ PVA composites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 261, 114758.	1.7	6
4	Effect of sintering temperatures on structural and optical properties of ZnO-Zn ₂ SiO ₄ composite prepared by using amorphous SiO ₂ nanoparticles. Journal of the Australian Ceramic Society, 2019, 55, 115-122.	1.1	15
5	Comprehensive study on morphological, structural and optical properties of Cr ₂ O ₃ nanoparticle and its antibacterial activities. Journal of Materials Science: Materials in Electronics, 2019, 30, 8035-8046.	1.1	18
6	Theory and experiment of optical absorption of platinum nanoparticles synthesized by gamma radiation. Applied Radiation and Isotopes, 2019, 147, 204-210.	0.7	5
7	Fabrication and characterization of Manganese-Zinc Ferrite nanoparticles produced utilizing heat treatment technique. Results in Physics, 2019, 12, 1821-1825.	2.0	26
8	Up-scalable fabrication of nanosized nickel cobalt chromite spinel by a simple thermal treatment method: Structural and paramagnetic behavior. Journal of Physics and Chemistry of Solids, 2019, 128, 378-383.	1.9	5
9	Fabrication and Radiation Dose Properties of Well-dispersed Calcium Borate Nanoparticles. Nanoscience and Nanotechnology - Asia, 2019, 9, 198-209.	0.3	1
10	Synthesis and characterization of binary (CuO) _{0.6} (CeO ₂) _{0.4} nanoparticles via a simple heat treatment method. Results in Physics, 2018, 9, 471-478.	2.0	26
11	Copper oxide nanoparticles synthesized by a heat treatment approach with structural, morphological and optical characteristics. Journal of Materials Science: Materials in Electronics, 2018, 29, 1025-1033.	1.1	22
12	Distribution of Heavy Metals in Core Marine Sediments of Coastal East Malaysia by Instrumental Neutron Activation Analysis and Inductively Coupled Plasma Spectroscopy. Applied Radiation and Isotopes, 2018, 132, 222-231.	0.7	17
13	Thermal Calcination-Based Production of SnO ₂ Nanopowder: An Analysis of SnO ₂ Nanoparticle Characteristics and Antibacterial Activities. Nanomaterials, 2018, 8, 250.	1.9	48
14	Effect of polyvinylpyrrolidone on cerium oxide nanoparticle characteristics prepared by a facile heat treatment technique. Results in Physics, 2017, 7, 611-619.	2.0	32
15	Distribution of Trace Elements in Core Marine Sediments of Coastal East Malaysia by Instrumental Neutron Activation Analysis. Applied Radiation and Isotopes, 2017, 122, 96-105.	0.7	9
16	Synthesis and characterization of CdSe nanoparticles via thermal treatment technique. Results in Physics, 2017, 7, 1556-1562.	2.0	46
17	Simple synthesis of ZnSe nanoparticles by thermal treatment and their characterization. Results in Physics, 2017, 7, 1175-1180.	2.0	47
18	Size-Controlled and Optical Properties of Platinum Nanoparticles by Gamma Radiolytic Synthesis. Applied Radiation and Isotopes, 2017, 130, 211-217.	0.7	27

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19	Structural and Optical Properties of Ag Nanoparticles Synthesized by Thermal Treatment Method. <i>Materials</i> , 2017, 10, 402.	1.3	121
20	Calcined Solution-Based PVP Influence on ZnO Semiconductor Nanoparticle Properties. <i>Crystals</i> , 2017, 7, 2.	1.0	35
21	Influence of Poly(vinylpyrrolidone) concentration on properties of silver nanoparticles manufactured by modified thermal treatment method. <i>PLoS ONE</i> , 2017, 12, e0186094.	1.1	46
22	Down-top nanofabrication of binary (CdO) & ZnO nanoparticles and their antibacterial activity. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 8309-8323.	3.3	31
23	Structural and Optical Properties of Zirconia Nanoparticles by Thermal Treatment Synthesis. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-6.	1.5	67
24	A Modified Thermal Treatment Method for the Up-Scalable Synthesis of Size-Controlled Nanocrystalline Titania. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 295.	1.3	11
25	Formation of a Colloidal CdSe and ZnSe Quantum Dots via a Gamma Radiolytic Technique. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 278.	1.3	12
26	The Impact of Polyvinylpyrrolidone on Properties of Cadmium Oxide Semiconductor Nanoparticles Manufactured by Heat Treatment Technique. <i>Polymers</i> , 2016, 8, 113.	2.0	38
27	Fabrication and characterization of semiconductor nickel oxide (NiO) nanoparticles manufactured using a facile thermal treatment. <i>Results in Physics</i> , 2016, 6, 1024-1030.	2.0	77
28	Structural, morphological and optical behaviour of PVP capped binary (ZnO) _{0.4} (CdO) _{0.6} nanoparticles synthesised by a facile thermal route. <i>Materials Science in Semiconductor Processing</i> , 2016, 53, 56-65.	1.9	43
29	Rare earth elements in core marine sediments of coastal East Malaysia by instrumental neutron activation analysis. <i>Applied Radiation and Isotopes</i> , 2016, 107, 17-23.	0.7	30
30	A Simple Up-Scalable Thermal Treatment Method for Synthesis of ZnO Nanoparticles. <i>Metals</i> , 2015, 5, 2383-2392.	1.0	43
31	Optimisation of the Photonic Efficiency of TiO ₂ Decorated on MWCNTs for Methylene Blue Photodegradation. <i>PLoS ONE</i> , 2015, 10, e0125511.	1.1	9
32	Structural, optical, opto-thermal and thermal properties of ZnS@PVA nanofluids synthesized through a radiolytic approach. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 529-536.	1.5	187
33	Up-scalable synthesis of size-controlled copper ferrite nanocrystals by thermal treatment method. <i>Materials Science in Semiconductor Processing</i> , 2015, 40, 564-569.	1.9	94
34	Structural phase transformations in radiolytically synthesized Al@Cu bimetallic nanoparticles. <i>Journal of Materials Science</i> , 2015, 50, 4348-4356.	1.7	3
35	Structural, Optical and Electrical Properties of PVA/PANI/Nickel Nanocomposites Synthesized by Gamma Radiolytic Method. <i>Polymers</i> , 2014, 6, 2435-2450.	2.0	99
36	Structural, Optical, and Magnetic Characterization of Spinel Zinc Chromite Nanocrystallines Synthesised by Thermal Treatment Method. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-7.	1.5	40

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37	Structural and paramagnetic behavior of spinel NiCr ₂ O ₄ nanoparticles synthesized by thermal treatment method: Effect of calcination temperature. <i>Solid State Communications</i> , 2014, 192, 15-19.	0.9	36
38	Open Photoacoustic Cell Configuration Applied to the Thermal Characterization of Liquid CdS Nanocomposites. <i>International Journal of Thermophysics</i> , 2014, 35, 53-61.	1.0	7
39	Enhancement of visible light photocatalytic activity of ZnS and CdS nanoparticles based on organic and inorganic coating. <i>Applied Surface Science</i> , 2014, 290, 440-447.	3.1	101
40	Structural, optical and thermal properties of PVA/CdS nanocomposites synthesized by radiolytic method. <i>Radiation Physics and Chemistry</i> , 2014, 97, 212-216.	1.4	18
41	Rare earth element (REE) in surface mangrove sediment by instrumental neutron activation analysis. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 301, 667-676.	0.7	22
42	Thermoluminescent dosimetry properties of double doped calcium tetraborate (CaB ₄ O ₇ :Cu ²⁺ /Mn) nanophosphor exposed to gamma radiation. <i>Journal of Alloys and Compounds</i> , 2014, 582, 392-397.	2.8	13
43	A Novel Research on Behavior of Zinc Ferrite Nanoparticles in Different Concentration of Poly(vinyl Tj ETQq1 1 0.784314 rgBT /Overlocl	1.0	24
44	On the theory of metal nanoparticles based on quantum mechanical calculation. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2014, 7, .	0.4	1
45	Large-Scale Fabrication of Nanosized Cobalt Chromite Spinel by a Simple Thermal Treatment Method. <i>Nanoscience and Nanotechnology Letters</i> , 2014, 6, 697-700.	0.4	1
46	The amazing effects and role of PVP on the crystallinity, phase composition and morphology of nickel ferrite nanoparticles prepared by thermal treatment method. <i>International Nano Letters</i> , 2013, 3, 1.	2.3	30
47	A review on radiation-induced nucleation and growth of colloidal metallic nanoparticles. <i>Nanoscale Research Letters</i> , 2013, 8, 474.	3.1	191
48	Photocatalytic degradation of methylene blue under visible light using PVP-capped ZnS and CdS nanoparticles. <i>Solar Energy</i> , 2013, 97, 147-154.	2.9	108
49	Size-Controlled and Optical Properties of Monodispersed Silver Nanoparticles Synthesized by the Radiolytic Reduction Method. <i>International Journal of Molecular Sciences</i> , 2013, 14, 7880-7896.	1.8	120
50	Optical Properties of CdS/PVA Nanocomposite Films Synthesized using the Gamma-Irradiation-Induced Method. <i>Chinese Physics Letters</i> , 2013, 30, 057803.	1.3	30
51	Influence of Dose on Particle Size and Optical Properties of Colloidal Platinum Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2012, 13, 14723-14741.	1.8	120
52	Visible Light-Induced Degradation of Methylene Blue in the Presence of Photocatalytic ZnS and CdS Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2012, 13, 12242-12258.	1.8	349
53	Room Temperature Radiolytic Synthesized Cu@CuAlO ₂ -Al ₂ O ₃ Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2012, 13, 11941-11953.	1.8	35
54	Influence of the Polyvinyl Pyrrolidone Concentration on Particle Size and Dispersion of ZnS Nanoparticles Synthesized by Microwave Irradiation. <i>International Journal of Molecular Sciences</i> , 2012, 13, 12412-12427.	1.8	103

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55	Facile Synthesis of Calcium Borate Nanoparticles and the Annealing Effect on Their Structure and Size. <i>International Journal of Molecular Sciences</i> , 2012, 13, 14434-14445.	1.8	36
56	Structural, Thermal, and Electrical Properties of PVA-Sodium Salicylate Solid Composite Polymer Electrolyte. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-8.	1.5	96
57	Influence of dose and ion concentration on formation of binary Al-Ni alloy nanoclusters. <i>Radiation Physics and Chemistry</i> , 2012, 81, 1653-1658.	1.4	30
58	Phase Controlled Monodispersed CdS Nanocrystals Synthesized in Polymer Solution Using Microwave Irradiation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012, 22, 830-836.	1.9	23
59	Radiation-induced reduction of mixed copper and aluminum ionic aqueous solution. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 292, 983-987.	0.7	4
60	Influence of dose on particle size of colloidal silver nanoparticles synthesized by gamma radiation. <i>Radiation Physics and Chemistry</i> , 2010, 79, 1203-1208.	1.4	88
61	Effect of radiation on conductivity of solid PVA-KOH-PC composite polymer electrolytes. <i>Ionics</i> , 2006, 12, 53-56.	1.2	13
62	Effects of gamma radiation treatment and plasticizer on alkaline solid polymer electrolytes. <i>Ionics</i> , 2005, 11, 468-471.	1.2	5
63	Thermoluminescence Properties of Nanostructured Calcium Borate as a Sensitive Radiation Dosimeter for High Radiation Doses. <i>Advanced Materials Research</i> , 0, 832, 189-194.	0.3	3
64	The Influence of Calcination Temperature on the Formation of Zinc Oxide Nanoparticles by Thermal-Treatment. <i>Applied Mechanics and Materials</i> , 0, 446-447, 181-184.	0.2	11
65	Synthesis, Structural and Optical Properties of Cerium Oxide Nanoparticles Prepared by Thermal Treatment Method. <i>Solid State Phenomena</i> , 0, 268, 132-137.	0.3	4
66	Structural and Morphological Properties of Manganese-Zinc Ferrite Nanoparticles Prepared by Thermal Treatment Route. <i>Solid State Phenomena</i> , 0, 290, 307-313.	0.3	3