

Faten E Al-Hazmi

List of Publications by Year in descending order

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42
papers

1,281
citations

430442

18
h-index

344852

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42
times ranked

2236
citing authors

#	ARTICLE	IF	CITATIONS
1	A Bioactive Carbon Nanotube-Based Ink for Printing 2D and 3D Flexible Electronics. <i>Advanced Materials</i> , 2016, 28, 3280-3289.	11.1	199
2	A new large Scale synthesis of magnesium oxide nanowires: Structural and antibacterial properties. <i>Superlattices and Microstructures</i> , 2012, 52, 200-209.	1.4	134
3	Myotube formation on gelatin nanofibers Multi-walled carbon nanotubes hybrid scaffolds. <i>Biomaterials</i> , 2014, 35, 6268-6277.	5.7	109
4	Hydrogels 2.0: improved properties with nanomaterial composites for biomedical applications. <i>Biomedical Materials (Bristol)</i> , 2016, 11, 014104.	1.7	82
5	A facile method to syntheses monodisperse Fe_3O_4 nanocubes with high magnetic anisotropy density. <i>Superlattices and Microstructures</i> , 2014, 68, 1-5.	1.4	80
6	Novel rapid synthesis of zinc oxide nanotubes via hydrothermal technique and antibacterial properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 871-877.	2.0	58
7	Microwave assisted rapid growth of $\text{Mg}(\text{OH})_2$ nanosheet networks for ethanol chemical sensor application. <i>Journal of Alloys and Compounds</i> , 2012, 519, 4-8.	2.8	57
8	Ultra-sensitive ethanol sensor based on rapidly synthesized $\text{Mg}(\text{OH})_2$ hexagonal nanodisks. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 97-102.	4.0	54
9	Rapid fabrication of nanostructured magnesium hydroxide and hydromagnesite via microwave-assisted technique. <i>Powder Technology</i> , 2013, 234, 26-31.	2.1	52
10	Synthesis and physical properties of mixed $\text{Co}_3\text{O}_4/\text{CoO}$ nanorods by microwave hydrothermal technique. <i>Superlattices and Microstructures</i> , 2011, 50, 437-448.	1.4	45
11	Antibacterial and photocatalytic activities of controllable (anatase/rutile) mixed phase TiO_2 nanophotocatalysts synthesized via a microwave-assisted sol-gel method. <i>New Journal of Chemistry</i> , 2020, 44, 562-570.	1.4	39
12	Relaxation time enhancement of cobalt zinc nanoferrites via Cr^{3+} doping. <i>Journal of Alloys and Compounds</i> , 2019, 792, 626-637.	2.8	34
13	Synthesis and electrical properties of Bi doped hydroxyapatite ceramics. <i>Journal of Alloys and Compounds</i> , 2016, 665, 119-123.	2.8	33
14	A new facile synthesis of ultra fine magnesium oxide nanowires and optical properties. <i>Journal of Electroceramics</i> , 2012, 29, 198-203.	0.8	30
15	Facile green synthesis, optical and photocatalytic properties of zinc oxide nanosheets via microwave assisted hydrothermal technique. <i>Journal of Electroceramics</i> , 2013, 31, 324-330.	0.8	23
16	Enhancing the magnetization, dielectric loss and photocatalytic activity of Co/Cu ferrite nanoparticles via the substitution of rare earth ions. <i>Journal of Materials Research and Technology</i> , 2021, 15, 2543-2556.	2.6	23
17	Electrical and dielectric properties of meridional and facial Alq_3 nanorods powders. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 2075-2087.	1.1	21
18	Synthesis, magnetic and ethanol gas sensing properties of semiconducting magnetite nanoparticles. <i>Solid State Sciences</i> , 2013, 19, 111-116.	1.5	19

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19	Dielectric anisotropy and electrical properties of the copper phthalocyanine (CuPc): 4- C_6H_4 -n-Heptylcyanobiphenyl (7CB) composite liquid crystals. <i>Composites Part B: Engineering</i> , 2014, 56, 15-19.	5.9	19
20	Photoconducting and Photovoltaic Properties of ZnO:TiO ₂ Composite/p-Silicon Heterojunction Photodiode. <i>Silicon</i> , 2018, 10, 781-787.	1.8	18
21	Synthesis and characterization of nanostructured aluminum borate by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 64, 100-103.	1.1	17
22	Optical properties of nanostructured ruthenium dioxide thin films via sol-gel approach. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 52-59.	1.1	17
23	Development of Fe ₃ O ₄ Core-Shell Nanocubes as a Promising Magnetic Resonance Imaging Contrast Agent. <i>Langmuir</i> , 2013, 29, 13095-13101.	1.6	16
24	On the prospects of conducting polyaniline/natural rubber composites for electromagnetic shielding effectiveness applications. <i>Journal of Thermoplastic Composite Materials</i> , 2014, 27, 765-782.	2.6	14
25	Nanostructure Lanthanum Doped Zinc Oxide Optical Materials. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2014, 9, 624-634.	0.1	14
26	Dielectric anisotropy properties of nanostructure metal oxide semiconductor and 4- C_6H_4 -n-pentylcyanobiphenyl based on nano-nematic composite systems. <i>Journal of Molecular Liquids</i> , 2014, 190, 169-173.	2.3	13
27	Cu ₂ ZnSnS ₄ :graphene oxide nanocomposites based photoresponse devices. <i>Journal of Alloys and Compounds</i> , 2015, 653, 561-569.	2.8	10
28	A novel synthesis and optical properties of cuprous oxide nano octahedrons via microwave hydrothermal route. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 63, 187-193.	1.1	8
29	A novel facile synthesis and electromagnetic wave shielding effectiveness at microwave frequency of graphene oxide paper. <i>Microsystem Technologies</i> , 2015, 21, 2155-2163.	1.2	7
30	Tailored dielectric, optical properties and photocatalytic performance of Mg-Zn nanoferrites by Cu ²⁺ substitution. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 16160-16177.	1.1	7
31	Bactericidal Efficacy of New Types of Magnesium Hydroxide and Calcium Carbonate Nanoparticles. <i>Molecular Genetics, Microbiology and Virology</i> , 2019, 34, 252-262.	0.0	6
32	Dynamic charge transport in pentacene and zinc oxide thin-film transistors: Dark and UV illumination conditions. <i>Synthetic Metals</i> , 2012, 162, 1681-1688.	2.1	5
33	The influence of Cu ²⁺ substitution on theoretical and experimental magneto-mechanical properties of Mg-Zn nanoferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10889-10902.	1.1	5
34	Novel synthesis, optical, and photoluminescence properties of Mg _x Zn _{1-x} O nanoflowers. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 74, 726-733.	1.1	3
35	Non-Condon Correction to Franck-Condon Values of Second-order Reduction Factors: The Cubic T Term. <i>Advances in Quantum Chemistry</i> , 2003, , 169-182.	0.4	2
36	Second-order vibronic reduction factors for orbital triplet Jahn-Teller systems in cubic and icosahedral symmetry. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 5309-5325.	0.7	2

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37	Accurate calculations of second-order vibronic reduction factors for C60 ions. Journal of Physics Condensed Matter, 2005, 17, 4779-4791.	0.7	2
38	Initial investigations of a combined photo-assisted water cleaner and thermal collector. Renewable Energy, 2017, 113, 235-247.	4.3	1
39	Negative Resistance Behaviour and Molecular Reorientation Properties of Zinc Oxide Nanoparticles Based Liquid Crystals for High Image Quality Liquid Crystal Displays. Journal of Nanoelectronics and Optoelectronics, 2014, 9, 640-643.	0.1	1
40	Preparation of Liquid Crystal Doped with Nanomaterials and Studying of Electrical and Dielectric Properties. Journal of Nanoelectronics and Optoelectronics, 2014, 9, 666-670.	0.1	1
41	A Ten-Minute Synthesis of $\text{Ni}(\text{OH})_2$ Nanoflakes Assisted by Microwave on Flexible Stainless-Steel for Energy Storage Devices. Nanomaterials, 2022, 12, 1911.	1.9	1
42	Electrical and Photoresponse Properties of $\text{CuFe}^{1-x}\text{Sn}_x\text{O}_2$ p-Si Photodiode. Journal of Nanoelectronics and Optoelectronics, 2016, 11, 297-304.	0.1	0