

Gehan El-Tabie El-Bassyouni

List of Publications by Year in descending order

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53
papers

1,057
citations

516561

16
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454834

30
g-index

53
all docs

53
docs citations

53
times ranked

1180
citing authors

#	ARTICLE	IF	CITATIONS
1	Gamma ray and fast neutron shielding of ZrSiO ₄ -Al ₂ O ₃ ceramic refractor. Particulate Science and Technology, 2023, 41, 250-260.	1.1	4
2	Crystallization of the glasses within the SiO ₂ -Li ₂ O-TiO ₂ system. Materials Chemistry and Physics, 2022, 275, 125216.	2.0	4
3	Effect of zinc oxide on wollastonite: Structural, optical, and mechanical properties. Ceramics International, 2022, 48, 7218-7231.	2.3	10
4	TiO ₂ nanoparticle as catalyst for an efficient green one-pot synthesis of 1H-3-Indolyl Derivatives as significant antiviral activity. Bioorganic Chemistry, 2022, 124, 105805.	2.0	6
5	Preparation, characterization and biocompatibility of nominal wollastonite/calcium hexaboride composites. Materials Chemistry and Physics, 2022, 289, 126337.	2.0	1
6	Osteogenic potential of calcium silicate-doped iron oxide nanoparticles versus calcium silicate for reconstruction of critical-sized mandibular defects: An experimental study in dog model. Saudi Dental Journal, 2022, 34, 485-493.	0.5	3
7	Influence of ZnO doped into hydroxyapatite: Structural, electrical, biocompatibility, and antimicrobial assessment. Journal of Molecular Structure, 2022, 1268, 133700.	1.8	10
8	Amendments of the Structural and Physical Properties of Cotton Fabrics Dyed with Natural Dye and Treated with Different Mordants. Journal of Natural Fibers, 2021, 18, 1247-1260.	1.7	10
9	Synthesis, characterization and electrical insulation of polyester plasma sprayed by (CaO ₃ Si/CuO) nanoparticles. Materials Today: Proceedings, 2021, 43, 3336-3344.	0.9	1
10	Modification of diatom using silver nanoparticle to improve antimicrobial activity. Materials Today: Proceedings, 2021, 43, 3369-3374.	0.9	10
11	Radiological evaluations of low cost wollastonite nano-ceramics graft doped with iron oxide in the treatment of induced defects in canine mandible. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 1029-1044.	1.6	14
12	FTIR Spectral Characterization, Mechanical and Electrical Properties of P ₂ O ₅ -Li ₂ O-CuO Glass-Ceramics. Silicon, 2021, 13, 3075-3084.	1.8	22
13	Influence of silicon carbide on structural, optical and magnetic properties of Wollastonite/Fe ₂ O ₃ nanocomposites. Ceramics International, 2021, 47, 12047-12055.	2.3	7
14	Dielectric and electrical properties of MoO ₃ -doped borophosphate glass: dielectric spectroscopy investigations. Journal of Materials Science: Materials in Electronics, 2021, 32, 22417-22428.	1.1	13
15	A Novel Treatment of Schistosomiasis: Nano-Calcium Silicate Incorporating 5% Copper Oxide. Advanced Pharmaceutical Bulletin, 2021, 11, 68-76.	0.6	9
16	Biological and Mechanical Properties of Denture Base Material as a Vehicle for Novel Hydroxyapatite Nanoparticles Loaded with Drug. Advanced Pharmaceutical Bulletin, 2021, 11, 86-95.	0.6	16
17	Bioactivity and cell viability of Ag ⁺ - and Zr ⁴⁺ -co-doped biphasic calcium phosphate. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	12
18	Effect of Yttrium Oxide in Hydroxyapatite Biocomposite Materials: Electrical and Antimicrobial Evaluation. ECS Journal of Solid State Science and Technology, 2021, 10, 123014.	0.9	9

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19	Sorption behavior of cesium and europium radionuclides onto nano-sized calcium silicate. Particulate Science and Technology, 2020, 38, 105-112.	1.1	18
20	Optical and magnetic properties of wollastonite and its nanocomposite crystalline structure with hematite. Ceramics International, 2020, 46, 6581-6593.	2.3	15
21	Role of levan extracted from bacterial honey isolates in curing peptic ulcer: In vivo. International Journal of Biological Macromolecules, 2020, 142, 564-573.	3.6	30
22	Hydroxyapatite nanoparticles derived from mussel shells for in vitro cytotoxicity test and cell viability. Heliyon, 2020, 6, e04085.	1.4	20
23	Influence of CuO on crystallization and electrical properties of B ₂ O ₃ -Bi ₂ O ₃ -GeO ₂ -CaF ₂ glass system for thermoelectronic applications. Journal of Non-Crystalline Solids, 2020, 544, 120185.	1.5	24
24	Thermal, mechanical and electrical properties of lithium phosphate glasses doped with copper oxide. Bulletin of Materials Science, 2019, 42, 1.	0.8	14
25	Enhancing the electrical conductivity of vanadate glass system (Fe ₂ O ₃ , B ₂ O ₃ , V ₂ O ₅) via doping with sodium or strontium cations. Ceramics International, 2019, 45, 11838-11843.	2.3	27
26	Removal of ¹³⁷ Cs and ¹⁵²⁺¹⁵⁴ Eu Using Hydroxyapatite Prepared from Mussel Shells. InterCeram: International Ceramic Review, 2019, 68, 34-41.	0.2	4
27	Novel, cost-effective, Cu-doped calcium silicate nanoparticles for bone fracture intervention: Inherent bioactivity and <i>in vivo</i> performance. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 388-399.	1.6	28
28	Cancer Cells Treated by Clusters of Copper Oxide Doped Calcium Silicate. Advanced Pharmaceutical Bulletin, 2019, 9, 102-109.	0.6	22
29	Synthesis and cyclization of β -keto-enol derivatives tethered indole and pyrazole as potential antimicrobial and anticancer activity. Journal of the Iranian Chemical Society, 2018, 15, 1639-1645.	1.2	15
30	In Vitro Bioactivity Behavior of some Borate Glasses and their Glass-Ceramic Derivatives Containing Zn ²⁺ , Ag ⁺ or Cu ²⁺ by Immersion in Phosphate Solution and their Anti-Microbial Activity. Silicon, 2018, 10, 943-957.	1.8	22
31	Studies of Bone-Bonding Ability and Antibacterial Properties of Ag ⁺ , Cu ²⁺ or Zn ²⁺ ions Doping within Hench's Bioglass and Glass-Ceramic Derivatives. Silicon, 2018, 10, 1231-1241.	1.8	14
32	Experimental Study on Antimicrobial Activity of Silk Fabric Treated with Natural Dye Extract from Neem (Azadirachta indica) Leaves. Fibers and Polymers, 2018, 19, 1880-1886.	1.1	13
33	Antimicrobial properties of tissue conditioner containing silver doped bioactive glass nanoparticles: in vitro study. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2018, 9, 035003.	0.7	13
34	Characterization of Wollastonite-Copper Nanoparticles Synthesized by a Wet Method. InterCeram: International Ceramic Review, 2018, 67, 20-23.	0.2	4
35	Processing, Characterization and Application of Some Borophosphate Glasses Containing Antibacterial and Antifungal Oxides in Bioactive Demands. Egyptian Journal of Chemistry, 2018, .	0.1	1
36	Immunotoxicity evaluation of novel bioactive composites in male mice as promising orthopaedic implants. Central-European Journal of Immunology, 2017, 1, 54-67.	0.4	5

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37	Fabrication and bioactivity behavior of HA/bioactive glass composites in the presence of calcium hexaboride. <i>Materials Chemistry and Physics</i> , 2016, 175, 92-99.	2.0	8
38	Role of SrO on the bioactivity behavior of some ternary borate glasses and their glass ceramic derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 152, 126-133.	2.0	59
39	Fabrication of nano structural biphasic materials from phosphogypsum waste and their in vitro applications. <i>Materials Research Bulletin</i> , 2014, 50, 432-439.	2.7	18
40	Morphological and macrostructural studies of dog cranial bone demineralized with different acids. <i>Current Applied Physics</i> , 2013, 13, 864-874.	1.1	8
41	Fabrication and mechanical evaluation of hydroxyapatite/oxide nano-composite materials. <i>Materials Science and Engineering C</i> , 2013, 33, 4126-4132.	3.8	30
42	Mechanical and microstructure of reinforced hydroxyapatite/calcium silicate nano-composites materials. <i>Materials & Design</i> , 2013, 44, 461-468.	5.1	46
43	Bioactivity of Hench Bioglass and Corresponding Glass-Ceramic and the Effect of Transition Metal Oxides. <i>Silicon</i> , 2011, 3, 185-197.	1.8	19
44	Development of biomimetic coatings on Sm oxide doped ELB (Eu ²⁺ -borate) glasses. <i>Materials Science and Engineering C</i> , 2010, 30, 509-517.	3.8	8
45	Fabrication and characterization of bioactive glass (45S5)/titania biocomposites. <i>Ceramics International</i> , 2009, 35, 1991-1997.	2.3	41
46	Fabrication, characterization and bioactivity evaluation of calcium pyrophosphate/polymeric biocomposites. <i>Ceramics International</i> , 2009, 35, 2933-2942.	2.3	33
47	Study of the bioactivity of fluorophlogopite-whitlockite ceramics. <i>Ceramics International</i> , 2008, 34, 1527-1532.	2.3	11
48	Modulation, characterization and bioactivity of new biocomposites based on apatite. <i>Ceramics International</i> , 2008, 34, 2091-2097.	2.3	16
49	Characterization and In-Vitro Assessment of Nano-Hydroxyapatite Prepared by Polymeric Route. , 2008, , .		1
50	Chitosan graft copolymers-HA/DBM biocomposites: Preparation, characterization, and in vitro evaluation. <i>Journal of Applied Polymer Science</i> , 2007, 105, 2553-2563.	1.3	9
51	Synthesis, characterization of chitosans and fabrication of sintered chitosan microsphere matrices for bone tissue engineering. <i>Acta Biomaterialia</i> , 2007, 3, 503-514.	4.1	96
52	In vivo tissue response to resorbable silica xerogels as controlled-release materials. <i>Biomaterials</i> , 2005, 26, 1043-1052.	5.7	204
53	Characterization Properties of Diopside Glass (Cu _{0.50} Ca _{0.75} Mg _{0.75} Si ₂ O ₆) Containing Cr ₂ O ₃ or TiO ₂ . <i>Silicon</i> , 0, , 1.	1.8	0