

Amirhossein Moghanian

List of Publications by Year in descending order

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32
papers

817
citations

471061

17
h-index

500791

28
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33
all docs

33
docs citations

33
times ranked

603
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of magnesium content on in vitro bioactivity, biological behavior and antibacterial activity of sol-gel derived 58S bioactive glass. <i>Ceramics International</i> , 2018, 44, 9422-9432.	2.3	68
2	Synthesis and characterization of electrospun cerium-doped bioactive glass/chitosan/polyethylene oxide composite scaffolds for tissue engineering applications. <i>Ceramics International</i> , 2021, 47, 260-271.	2.3	62
3	Characterization, in vitro bioactivity and biological studies of sol-gel synthesized SrO substituted 58S bioactive glass. <i>Ceramics International</i> , 2017, 43, 14880-14890.	2.3	57
4	Production and properties of Cu/TiO ₂ nano-composites. <i>Journal of Alloys and Compounds</i> , 2017, 698, 518-524.	2.8	45
5	Synthesis and in vitro studies of sol-gel derived lithium substituted 58S bioactive glass. <i>Ceramics International</i> , 2017, 43, 12835-12843.	2.3	43
6	Cerium-doped bioactive glass-loaded chitosan/polyethylene oxide nanofiber with elevated antibacterial properties as a potential wound dressing. <i>Ceramics International</i> , 2021, 47, 9447-9461.	2.3	41
7	Novel antibacterial Cu/Mg-substituted 58S-bioglass: Synthesis, characterization and investigation of in vitro bioactivity. <i>International Journal of Applied Glass Science</i> , 2020, 11, 685-698.	1.0	40
8	The effect of zirconium content on in vitro bioactivity, biological behavior and antibacterial activity of sol-gel derived 58S bioactive glass. <i>Journal of Non-Crystalline Solids</i> , 2020, 546, 120262.	1.5	39
9	Modified friction stir clinching with protuberance-keyhole levelling: A process for production of welds with high strength. <i>Journal of Manufacturing Processes</i> , 2019, 41, 177-187.	2.8	37
10	Synthesis and characterization of osteoinductive visible light-activated adhesive composites with antimicrobial properties. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 66-81.	1.3	30
11	H ₂ Nlich base derivatives as photo-responsive β -shaped hinges. <i>Organic Chemistry Frontiers</i> , 2017, 4, 224-228.	2.3	22
12	Preparation, characterization and in vitro biological response of simultaneous co-substitution of Zr ⁴⁺ /Sr ²⁺ 58S bioactive glass powder. <i>Ceramics International</i> , 2021, 47, 23762-23769.	2.3	22
13	Comprehensive investigation on multifunctional properties of zirconium and silver co-substituted 58S bioactive glass. <i>Ceramics International</i> , 2021, 47, 2499-2507.	2.3	22
14	Sol-gel derived silicate-based bioactive glass: Studies of synergetic effect of zirconium and magnesium on structural and biological characteristics. <i>Journal of Non-Crystalline Solids</i> , 2021, 554, 120613.	1.5	22
15	Biosensors and nanotechnology for cancer diagnosis (lung and bronchus, breast, prostate, and) Tj ETQq1 1 0.784314 rgBT /Qyerlock 10	1.7	22
16	Synthesis, characterization and in vitro biological properties of simultaneous co-substituted Ti ⁴⁺ /Li ⁺ 58s bioactive glass. <i>Journal of Non-Crystalline Solids</i> , 2021, 561, 120740.	1.5	21
17	Pre-threaded hole friction stir spot welding of AA2219/PP-C30S sheets. <i>Journal of Materials Processing Technology</i> , 2019, 273, 116272.	3.1	20
18	The effect of Ag substitution on physico-chemical and biological properties of sol-gel derived 60%SiO ₂ -31%CaO-4%P ₂ O ₅ -5%TiO ₂ (mol%) quaternary bioactive glass. <i>Journal of Non-Crystalline Solids</i> , 2021, 560, 120732.	1.5	17

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19	Characterization, in vitro bioactivity and biological studies of sol-gel derived TiO ₂ substituted 58S bioactive glass. International Journal of Applied Ceramic Technology, 2021, 18, 1430-1441.	1.1	15
20	The effect of Ag substitution on physicochemical and biological properties of sol-gel derived 60%SiO ₂ –31%CaO–4%P ₂ O ₅ –5%Li ₂ O (mol%) quaternary bioactive glass. Ceramics International, 2021, 47, 15985-15994.	2.3	14
21	Comprehensive in vitro studies of novel sol gel-derived Zr ⁴⁺ /Zn ²⁺ co-substituted bioactive glass with enhanced biological properties for bone healing. Journal of Non-Crystalline Solids, 2021, 566, 120887.	1.5	13
22	Structural and in vitro biological evaluation of sol-gel derived multifunctional Ti ⁴⁺ /Sr ²⁺ co-doped bioactive glass with enhanced properties for bone healing. Ceramics International, 2021, 47, 29451-29462.	2.3	13
23	Friction stir welding of pure magnesium and polypropylene in a lap-joint configuration: Microstructure and mechanical properties. International Journal of Minerals, Metallurgy and Materials, 2019, 26, 766-774.	2.4	12
24	Synthesis and characterization of in vitro properties and biological behavior of Ag/Li co-doped 68S bioactive glass with and without phosphate. Journal of Non-Crystalline Solids, 2021, 570, 121015.	1.5	11
25	Finite element method and analytical analysis of static and dynamic pull-in instability of a functionally graded microplate. JVC/Journal of Vibration and Control, 2022, 28, 425-438.	1.5	9
26	Fabrication of copper/stainless steel bimetallic couple, by diffusion bonding using silver and nickel foils as interlayers. Inorganic and Nano-Metal Chemistry, 2019, 49, 152-162.	0.9	8
27	Nonlinear Viscoelastic Modeling of Synthesized Silicate-Based Bioactive Glass/Polysulfone Composite: Theory and Medical Applications. Silicon, 2022, 14, 731-740.	1.8	7
28	A review of additive manufacturing of Mg-based alloys and composite implants. Journal of Composites and Compounds, 2020, 2, 71-83.	0.4	6
29	Personalized Medicine: Regulation of Genes in Human Skin Ageing. Journal of Allergy & Therapy, 2016, 07, .	0.1	6
30	Mixed ternary metal MFeCo (M=Al, Mg, Cu, Zn, or Ni) oxide electrodes for high-performance energy storage devices. Ionics, 2021, 27, 3777-3791.	1.2	5
31	Hydrothermally grown mixed ternary nickel ferrite oxides as hybrid battery-type electrodes. Journal of Materials Science: Materials in Electronics, 2022, 33, 11725-11742.	1.1	3
32	An investigation on structural and in vitro biological properties of silicate-based bioactive glass powder in SiO ₂ –CaO–P ₂ O ₅ –ZrO ₂ –Li ₂ O quintuplet system. Materials Chemistry and Physics, 2022, 285, 126010.	2.0	2