

Amirhossein Moghanian

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6213541/publications.pdf>

Version: 2024-02-01

32
papers

817
citations

471061

17
h-index

500791

28
g-index

33
all docs

33
docs citations

33
times ranked

603
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Finite element method and analytical analysis of static and dynamic pull-in instability of a functionally graded microplate. <i>JVC/Journal of Vibration and Control</i> , 2022, 28, 425-438. | 1.5 | 9 |
| 2 | Nonlinear Viscoelastic Modeling of Synthesized Silicate-Based Bioactive Glass/Polysulfone Composite: Theory and Medical Applications. <i>Silicon</i> , 2022, 14, 731-740. | 1.8 | 7 |
| 3 | 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. <i>Materials Chemistry and Physics</i> , 2022, 285, 126010. | 2.0 | 2 |
| 4 | Hydrothermally grown mixed ternary nickel ferrite oxides as hybrid battery-type electrodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 11725-11742. | 1.1 | 3 |
| 5 | Biosensors and nanotechnology for cancer diagnosis (lung and bronchus, breast, prostate, and) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i> | 1.7 | 22 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | Characterization, in vitro bioactivity and biological studies of sol-gel derived Ti ₂ substituted 58S bioactive glass. <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 1430-1441. | 1.1 | 15 |
| 12 | 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 |
| 13 | Synthesis, characterization and in vitro biological properties of simultaneous co-substituted Ti ⁴⁺ /Li ¹⁺ 58s bioactive glass. <i>Journal of Non-Crystalline Solids</i> , 2021, 561, 120740. | 1.5 | 21 |
| 14 | Mixed ternary metal MFeCo (M=Al, Mg, Cu, Zn, or Ni) oxide electrodes for high-performance energy storage devices. <i>Ionics</i> , 2021, 27, 3777-3791. | 1.2 | 5 |
| 15 | 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. <i>Ceramics International</i> , 2021, 47, 15985-15994. | 2.3 | 14 |
| 16 | Comprehensive in vitro studies of novel sol gel-derived Zr ⁴⁺ /Zn ²⁺ co-substituted bioactive glass with enhanced biological properties for bone healing. <i>Journal of Non-Crystalline Solids</i> , 2021, 566, 120887. | 1.5 | 13 |
| 17 | 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. <i>Ceramics International</i> , 2021, 47, 29451-29462. | 2.3 | 13 |
| 18 | Synthesis and characterization of in vitro properties and biological behavior of Ag/Li co-doped 68S bioactive glass with and without phosphate. <i>Journal of Non-Crystalline Solids</i> , 2021, 570, 121015. | 1.5 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Novel antibacterial Cu/Mg-substituted 58S bio-glass: Synthesis, characterization and investigation of in vitro bioactivity. <i>International Journal of Applied Glass Science</i> , 2020, 11, 685-698. | 1.0 | 40 |
| 20 | 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 |
| 21 | 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 |
| 22 | A review of additive manufacturing of Mg-based alloys and composite implants. <i>Journal of Composites and Compounds</i> , 2020, 2, 71-83. | 0.4 | 6 |
| 23 | 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 |
| 24 | Fabrication of copper/stainless steel bimetallic couple, by diffusion bonding using silver and nickel foils as interlayers. <i>Inorganic and Nano-Metal Chemistry</i> , 2019, 49, 152-162. | 0.9 | 8 |
| 25 | Friction stir welding of pure magnesium and polypropylene in a lap-joint configuration: Microstructure and mechanical properties. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2019, 26, 766-774. | 2.4 | 12 |
| 26 | 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 |
| 27 | 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 |
| 28 | Production and properties of Cu/TiO ₂ nano-composites. <i>Journal of Alloys and Compounds</i> , 2017, 698, 518-524. | 2.8 | 45 |
| 29 | H ₂ Nlich base derivatives as photo-responsive β -shaped hinges. <i>Organic Chemistry Frontiers</i> , 2017, 4, 224-228. | 2.3 | 22 |
| 30 | 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 |
| 31 | 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 |
| 32 | Personalized Medicine: Regulation of Genes in Human Skin Ageing. <i>Journal of Allergy & Therapy</i> , 2016, 07, . | 0.1 | 6 |