

Yogambha Ramaswamy

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

2,526
citations

257429

24
h-index

345203

36
g-index

36
all docs

36
docs citations

36
times ranked

2685
citing authors

#	ARTICLE	IF	CITATIONS
1	The incorporation of strontium and zinc into a calcium-silicon ceramic for bone tissue engineering. <i>Biomaterials</i> , 2010, 31, 3175-3184.	11.4	261
2	The effect of strontium incorporation into CaSiO ₃ ceramics on their physical and biological properties. <i>Biomaterials</i> , 2007, 28, 3171-3181.	11.4	209
3	Porous diopside (CaMgSi ₂ O ₆) scaffold: A promising bioactive material for bone tissue engineering. <i>Acta Biomaterialia</i> , 2010, 6, 2237-2245.	8.3	207
4	The effect of mesoporous bioactive glass on the physiochemical, biological and drug-release properties of poly(dl-lactide-co-glycolide) films. <i>Biomaterials</i> , 2009, 30, 2199-2208.	11.4	177
5	Biological response of human bone cells to zinc-modified Ca-Si-based ceramics. <i>Acta Biomaterialia</i> , 2008, 4, 1487-1497.	8.3	168
6	Preparation, characterization and in vitro bioactivity of mesoporous bioactive glasses (MBCs) scaffolds for bone tissue engineering. <i>Microporous and Mesoporous Materials</i> , 2008, 112, 494-503.	4.4	166
7	The responses of osteoblasts, osteoclasts and endothelial cells to zirconium modified calcium-silicate-based ceramic. <i>Biomaterials</i> , 2008, 29, 4392-4402.	11.4	158
8	Improvement of mechanical and biological properties of porous CaSiO ₃ scaffolds by poly(d,l-lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	8.3	157
9	Incorporation of titanium into calcium silicate improved their chemical stability and biological properties. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 86A, 402-410.	4.0	99
10	Role of Biomaterials and Controlled Architecture on Tendon/Ligament Repair and Regeneration. <i>Advanced Materials</i> , 2020, 32, e1904511.	21.0	97
11	Novel sphene coatings on Ti-6Al-4V for orthopedic implants using sol-gel method. <i>Acta Biomaterialia</i> , 2008, 4, 569-576.	8.3	90
12	Two-Photon Dual-Emissive Carbon Dot-Based Probe: Deep-Tissue Imaging and Ultrasensitive Sensing of Intracellular Ferric Ions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 18395-18406.	8.0	78
13	S100A8 and S100A9 in experimental osteoarthritis. <i>Arthritis Research and Therapy</i> , 2010, 12, R16.	3.5	72
14	Plasma-sprayed CaTiSiO ₅ ceramic coating on Ti-6Al-4V with excellent bonding strength, stability and cellular bioactivity. <i>Journal of the Royal Society Interface</i> , 2009, 6, 159-168.	3.4	71
15	The effect of Zn contents on phase composition, chemical stability and cellular bioactivity in Zn-Ca-Si system ceramics. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 87B, 346-353.	3.4	70
16	Orthopedic coating materials: considerations and applications. <i>Expert Review of Medical Devices</i> , 2009, 6, 423-430.	2.8	46
17	Promoting Cell Survival and Proliferation in Degradable Poly(vinyl alcohol)-Tyramine Hydrogels. <i>Macromolecular Bioscience</i> , 2015, 15, 1423-1432.	4.1	43
18	Sphene ceramics for orthopedic coating applications: An in vitro and in vivo study. <i>Acta Biomaterialia</i> , 2009, 5, 3192-3204.	8.3	38

#	ARTICLE	IF	CITATIONS
19	Nature-inspired topographies on hydroxyapatite surfaces regulate stem cells behaviour. <i>Bioactive Materials</i> , 2021, 6, 1107-1117.	15.6	35
20	Small Molecule KRAS Inhibitors: The Future for Targeted Pancreatic Cancer Therapy?. <i>Cancers</i> , 2020, 12, 1341.	3.7	34
21	Emulsion strategies in the microencapsulation of cells: Pathways to thin coherent membranes. <i>Biotechnology and Bioengineering</i> , 2005, 92, 45-53.	3.3	29
22	Bioceramics composition modulate resorption of human osteoclasts. <i>Journal of Materials Science: Materials in Medicine</i> , 2005, 16, 1199-1205.	3.6	29
23	Visible light mediated PVA-tyramine hydrogels for covalent incorporation and tailorable release of functional growth factors. <i>Biomaterials Science</i> , 2020, 8, 5005-5019.	5.4	27
24	Novel injectable strontium-hardystonite phosphate cement for cancellous bone filling applications. <i>Materials Science and Engineering C</i> , 2019, 97, 103-115.	7.3	26
25	High-Strength Fiber-Reinforced Composite Hydrogel Scaffolds as Biosynthetic Tendon Graft Material. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 1887-1898.	5.2	25
26	Mechanically stressed cancer microenvironment: Role in pancreatic cancer progression. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2020, 1874, 1884-1885.	7.4	21
27	Modified N-linked glycosylation status predicts trafficking defective human Piezo1 channel mutations. <i>Communications Biology</i> , 2021, 4, 1038.	4.4	18
28	Reprogramming of human fibroblasts into osteoblasts by insulin-like growth factor-binding protein 7. <i>Stem Cells Translational Medicine</i> , 2020, 9, 403-415.	3.3	17
29	Recent Advancements in the Fabrication of Functional Nanoporous Materials and Their Biomedical Applications. <i>Materials</i> , 2022, 15, 2111.	2.9	13
30	Baghdadite Ceramics Prevent Senescence in Human Osteoblasts and Promote Bone Regeneration in Aged Rats. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 6874-6885.	5.2	10
31	Mural Cells: Potential Therapeutic Targets to Bridge Cardiovascular Disease and Neurodegeneration. <i>Cells</i> , 2021, 10, 593.	4.1	8
32	Stereolithographic Visible-Light Printing of Poly(α -glutamic acid) Hydrogel Scaffolds. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 1115-1131.	5.2	8
33	Tuneable manganese oxide nanoparticle based theranostic agents for potential diagnosis and drug delivery. <i>Nanoscale Advances</i> , 2021, 3, 4052-4061.	4.6	7
34	Evolution of stellated gold nanoparticles: New conceptual insights into controlling the surface processes. <i>Nano Research</i> , 2022, 15, 1260-1268.	10.4	4
35	Improving the Sensitivity of SPR Sensors with Au-Ag alloys and 2D Materials – a Simulation-Based Approach. <i>Advanced Theory and Simulations</i> , 2021, 4, 2100292.	2.8	4
36	In-Depth Conceptual Study of an Enhanced Plasmonic Sensing System Using Antireflective Coatings and Perovskites for the Detection of Infectious Viral Antigens. <i>ACS Applied Electronic Materials</i> , 2022, 4, 1732-1740.	4.3	4