Yogambha Ramaswamy

List of Publications by Year
in descending order

36 papers	2,526 citations	293460 24 h-index	388640 36 g-index

36 all docs	36 docs citations	36 times ranked	3009 citing authors

#	Article	IF	Citations
1	Evolution of stellated gold nanoparticles: New conceptual insights into controlling the surface processes. Nano Research, 2022, 15, 1260-1268.	5.8	4
2	Stereolithographic Visible-Light Printing of Poly(<scp>l</scp>-glutamic acid) Hydrogel Scaffolds. ACS Biomaterials Science and Engineering, 2022, 8, 1115-1131.	2.6	8
3	Recent Advancements in the Fabrication of Functional Nanoporous Materials and Their Biomedical Applications. Materials, 2022, 15, 2111.	1.3	13
4	In-Depth Conceptual Study of an Enhanced Plasmonic Sensing System Using Antireflective Coatings and Perovskites for the Detection of Infectious Viral Antigens. ACS Applied Electronic Materials, 2022, 4, 1732-1740.	2.0	4
5	Nature-inspired topographies on hydroxyapatite surfaces regulate stem cells behaviour. Bioactive Materials, 2021, 6, 1107-1117.	8.6	35
6	Tuneable manganese oxide nanoparticle based theranostic agents for potential diagnosis and drug delivery. Nanoscale Advances, 2021, 3, 4052-4061.	2.2	7
7	Mural Cells: Potential Therapeutic Targets to Bridge Cardiovascular Disease and Neurodegeneration. Cells, 2021, 10, 593.	1.8	8
8	Modified N-linked glycosylation status predicts trafficking defective human Piezo1 channel mutations. Communications Biology, 2021, 4, 1038.	2.0	18
9	Improving the Sensitivity of SPR Sensors with Auâ€“Ag alloys and 2D Materials â€” a Simulationâ€Based Approach. Advanced Theory and Simulations, 2021, 4, 2100292.	1.3	4
10	Reprogramming of human fibroblasts into osteoblasts by insulin-like growth factor-binding protein 7. Stem Cells Translational Medicine, 2020, 9, 403-415.	1.6	17
11	Role of Biomaterials and Controlled Architecture on Tendon/Ligament Repair and Regeneration. Advanced Materials, 2020, 32, e1904511.	11.1	97
12	Mechanically stressed cancer microenvironment: Role in pancreatic cancer progression. Biochimica Et Biophysica Acta: Reviews on Cancer, 2020, 1874, 188418.	3.3	21
13	Visible light mediated PVA-tyramine hydrogels for covalent incorporation and tailorable release of functional growth factors. Biomaterials Science, 2020, 8, 5005-5019.	2.6	27
14	Baghdadite Ceramics Prevent Senescence in Human Osteoblasts and Promote Bone Regeneration in Aged Rats. ACS Biomaterials Science and Engineering, 2020, 6, 6874-6885.	2.6	10
15	Small Molecule KRAS Inhibitors: The Future for Targeted Pancreatic Cancer Therapy?. Cancers, 2020, 12, 1341.	1.7	34
16	High-Strength Fiber-Reinforced Composite Hydrogel Scaffolds as Biosynthetic Tendon Graft Material. ACS Biomaterials Science and Engineering, 2020, 6, 1887-1898.	2.6	25
17	Two-Photon Dual-Emissive Carbon Dot-Based Probe: Deep-Tissue Imaging and Ultrasensitive Sensing of Intracellular Ferric Ions. ACS Applied Materials & Interfaces, 2020, 12, 18395-18406.	4.0	78
18	Novel injectable strontium-hardystonite phosphate cement for cancellous bone filling applications. Materials Science and Engineering C, 2019, 97, 103-115.	3.8	26

#	Article	IF	Citations
19	Promoting Cell Survival and Proliferation in Degradable Poly(vinyl alcohol)â€“Tyramine Hydrogels. Macromolecular Bioscience, 2015, 15, 1423-1432.	2.1	43
20	The incorporation of strontium and zinc into a calciumâ€“silicon ceramic for bone tissue engineering. Biomaterials, 2010, 31, 3175-3184.	5.7	261
21	Porous diopside (CaMgSi2O6) scaffold: A promising bioactive material for bone tissue engineering. Acta Biomaterialia, 2010, 6, 2237-2245.	4.1	207
22	S100A8 and S100A9 in experimental osteoarthritis. Arthritis Research and Therapy, 2010, 12, R16.	1.6	72
23	The effect of mesoporous bioactive glass on the physiochemical, biological and drug-release properties of poly(dl-lactide-co-glycolide) films. Biomaterials, 2009, 30, 2199-2208.	5.7	177
24	Sphene ceramics for orthopedic coating applications: An in vitro and in vivo study. Acta Biomaterialia, 2009, 5, 3192-3204.	4.1	38
25	Plasma-sprayed CaTiSiO ₅ ceramic coating on Ti-6Al-4V with excellent bonding strength, stability and cellular bioactivity. Journal of the Royal Society Interface, 2009, 6, 159-168.	1.5	71
26	Orthopedic coating materials: considerations and applications. Expert Review of Medical Devices, 2009, 6, 423-430.	1.4	46
27	Incorporation of titanium into calcium silicate improved their chemical stability and biological properties. Journal of Biomedical Materials Research - Part A, 2008, 86A, 402-410.	2.1	99
28	The effect of Zn contents on phase composition, chemical stability and cellular bioactivity in Znâ€“Caâ€“Si system ceramics. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 87B, 346-353.	1.6	70
29	Preparation, characterization and in vitro bioactivity of mesoporous bioactive glasses (MBGs) scaffolds for bone tissue engineering. Microporous and Mesoporous Materials, 2008, 112, 494-503.	2.2	166
30	The responses of osteoblasts, osteoclasts and endothelial cells to zirconium modified calcium-silicate-based ceramic. Biomaterials, 2008, 29, 4392-4402.	5.7	158
31	Improvement of mechanical and biological properties of porous CaSiO3 scaffolds by poly(d,l-lactic) Tj ETQq1 1 0.784314 rgBT /Overlo	4.1	157
32	Novel sphene coatings on Tiâ€“6Alâ€“4V for orthopedic implants using solâ€“gel method. Acta Biomaterialia, 2008, 4, 569-576.	4.1	90
33	Biological response of human bone cells to zinc-modified Caâ€“Si-based ceramics. Acta Biomaterialia, 2008, 4, 1487-1497.	4.1	168
34	The effect of strontium incorporation into CaSiO3 ceramics on their physical and biological properties. Biomaterials, 2007, 28, 3171-3181.	5.7	209
35	Emulsion strategies in the microencapsulation of cells: Pathways to thin coherent membranes. Biotechnology and Bioengineering, 2005, 92, 45-53.	1.7	29
36	Bioceramics composition modulate resorption of human osteoclasts. Journal of Materials Science: Materials in Medicine, 2005, 16, 1199-1205.	1.7	29