

# Balaji Ramachandran

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

411  
citations

1039880

9  
h-index

1199470

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

817  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of reduced graphene oxide (rGO)-isabgol nanocomposite dressings for enhanced vascularization and accelerated wound healing in normal and diabetic rats. <i>Journal of Colloid and Interface Science</i> , 2018, 517, 251-264.	5.0	102
2	Accelerated Healing of Diabetic Wounds Treated with L-Glutamic acid Loaded Hydrogels Through Enhanced Collagen Deposition and Angiogenesis: An In Vivo Study. <i>Scientific Reports</i> , 2017, 7, 10701.	1.6	81
3	An investigation of konjac glucomannan-keratin hydrogel scaffold loaded with Avena sativa extracts for diabetic wound healing. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 165, 92-102.	2.5	69
4	Biomimetic hydrogel loaded with silk and L-proline for tissue engineering and wound healing applications. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017, 105, 1401-1408.	1.6	48
5	Fabrication of chitosan/gallic acid 3D microporous scaffold for tissue engineering applications. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 750-760.	1.6	32
6	A comparative study of polyethylene terephthalate surface carboxylation techniques: Characterization, in vitro haemocompatibility and endothelialization. <i>Reactive and Functional Polymers</i> , 2018, 122, 22-32.	2.0	21
7	Encompassing receptor flexibility in virtual screening using ensemble docking-based hybrid QSAR: discovery of novel phytochemicals for BACE1 inhibition. <i>Molecular BioSystems</i> , 2014, 10, 2684.	2.9	20
8	Effect of Surface Finish on Wettability and Bacterial Adhesion of Micromachined Biomaterials. <i>Biotribology</i> , 2019, 18, 100095.	0.9	16
9	Immobilization of hyaluronic acid from Lactococcus lactis on polyethylene terephthalate for improved biocompatibility and drug release. <i>Carbohydrate Polymers</i> , 2019, 206, 132-140.	5.1	13
10	Cysteine immobilisation on the polyethylene terephthalate surfaces and its effect on the haemocompatibility. <i>Scientific Reports</i> , 2019, 9, 16694.	1.6	3
11	Surface Engineering Approaches for Controlling Biofilms and Wound Infections. <i>ACS Symposium Series</i> , 2019, , 101-123.	0.5	2
12	A comparative study of different methods of carboxylation on polyethylene terephthalate to improve antifouling property. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 4, .	2.0	1
13	Kinetic study of NTPDase immobilization and its effect of haemocompatibility on polyethylene terephthalate. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2019, 30, 437-449.	1.9	0