

Paulomi Ghosh

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

847
citations

471509

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docs citations

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times ranked

1316
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimulus-Responsive, Biodegradable, Biocompatible, Covalently Cross-Linked Hydrogel Based on Dextrin and Poly(<i>N</i> -isopropylacrylamide) for in Vitro/in Vivo Controlled Drug Release. ACS Applied Materials & Interfaces, 2015, 7, 14338-14351.	8.0	117
2	Dextrin cross linked with poly(HEMA): a novel hydrogel for colon specific delivery of ornidazole. RSC Advances, 2013, 3, 25340.	3.6	105
3	Dextrin and Poly(acrylic acid)-Based Biodegradable, Non-Cytotoxic, Chemically Cross-Linked Hydrogel for Sustained Release of Ornidazole and Ciprofloxacin. ACS Applied Materials & Interfaces, 2015, 7, 4791-4803.	8.0	105
4	Silk Sponges Ornamented with a Placenta-Derived Extracellular Matrix Augment Full-Thickness Cutaneous Wound Healing by Stimulating Neovascularization and Cellular Migration. ACS Applied Materials & Interfaces, 2018, 10, 16977-16991.	8.0	57
5	Dextrin and poly(lactide)-based biocompatible and biodegradable nanogel for cancer targeted delivery of doxorubicin hydrochloride. Polymer Chemistry, 2016, 7, 2965-2975.	3.9	50
6	Investigating the potential of human placenta-derived extracellular matrix sponges coupled with amniotic membrane-derived stem cells for osteochondral tissue engineering. Journal of Materials Chemistry B, 2016, 4, 613-625.	5.8	47
7	Biocompatible nanogel derived from functionalized dextrin for targeted delivery of doxorubicin hydrochloride to MG 63 cancer cells. Carbohydrate Polymers, 2017, 171, 27-38.	10.2	41
8	Covalent cross-links in polyampholytic chitosan fibers enhances bone regeneration in a rabbit model. Colloids and Surfaces B: Biointerfaces, 2015, 125, 160-169.	5.0	32
9	<I>In Vitro</I> ALP and Osteocalcin Gene Expression Analysis and In Vivo Biocompatibility of N-Methylene Phosphonic Chitosan Nanofibers for Bone Regeneration. Journal of Biomedical Nanotechnology, 2013, 9, 870-879.	1.1	31
10	2,5-Dimethoxy 2,5-dihydrofuran crosslinked chitosan fibers enhance bone regeneration in rabbit femur defects. RSC Advances, 2014, 4, 19516-19524.	3.6	28
11	Development and application of a nanocomposite derived from crosslinked HPMC and Au nanoparticles for colon targeted drug delivery. RSC Advances, 2015, 5, 27481-27490.	3.6	27
12	Citrate Cross-Linked Gels with Strain Reversibility and Viscoelastic Behavior Accelerate Healing of Osteochondral Defects in a Rabbit Model. Langmuir, 2014, 30, 8442-8451.	3.5	26
13	Effect of alumina, silk and ceria short fibers in reinforcement of Bis-GMA/TEGDMA dental resin. Composites Part B: Engineering, 2015, 70, 238-246.	12.0	25
14	Chitosan Derivatives Cross-Linked with Iodinated 2,5-Dimethoxy-2,5-dihydrofuran for Non-Invasive Imaging. ACS Applied Materials & Interfaces, 2014, 6, 17926-17936.	8.0	21
15	Bioinspired 3D porous human placental derived extracellular matrix/silk fibroin sponges for accelerated bone regeneration. Materials Science and Engineering C, 2020, 113, 110990.	7.3	20
16	Microspheres containing decellularized cartilage induce chondrogenesis <i>in vitro</i> and remain functional after incorporation within a poly(caprolactone) filament useful for fabricating a 3D scaffold. Biofabrication, 2018, 10, 025007.	7.1	18
17	Dual Functionalized Injectable Hybrid Extracellular Matrix Hydrogel for Burn Wounds. Biomacromolecules, 2021, 22, 514-533.	5.4	18
18	In Situ Iodination Cross-Linking of Silk for Radio-Opaque Antimicrobial Surgical Sutures. ACS Biomaterials Science and Engineering, 2016, 2, 188-196.	5.2	15

#	ARTICLE	IF	CITATIONS
19	Novel pH-responsive graft copolymer based on HPMC and poly(acrylamide) synthesised by microwave irradiation: application in controlled release of ornidazole. <i>Cellulose</i> , 2015, 22, 313-327.	4.9	14
20	Biocompatible amphiphilic microgel derived from dextrin and poly(methyl methacrylate) for dual drugs carrier. <i>Polymer</i> , 2016, 107, 282-291.	3.8	14
21	Dual crosslinked keratin-alginate fibers formed via ionic complexation of amide networks with improved toughness for assembling into braids. <i>Polymer Testing</i> , 2020, 81, 106286.	4.8	12
22	Strategies toward development of antimicrobial biomaterials for dental healthcare applications. <i>Biotechnology and Bioengineering</i> , 2021, 118, 4590-4622.	3.3	9
23	Imidazolium-based ionic liquid-assisted processing of natural biopolymers containing amine/amide functionalities for sustainable fiber production. <i>Materials Today Sustainability</i> , 2021, 14, 100082.	4.1	9
24	Novel Process for 3D Printing Decellularized Matrices. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	4
25	Single-pot biofabrication of living fibers for tissue engineering applications. <i>Journal of Materials Research</i> , 2018, 33, 2019-2028.	2.6	1