

Ramesh Parameswaran

List of Publications by Year in descending order

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36
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citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advancements in blended and reinforced polymeric systems as bioscaffolds. International Journal of Polymeric Materials and Polymeric Biomaterials, 2023, 72, 834-855.	1.8	1
2	Significance of Metrological Tools in an ISO 17025 Accredited Quality System for a Biological Evaluation Facility. Mapan - Journal of Metrology Society of India, 2022, 37, 683-691.	1.0	3
3	UV-Crosslinked Electrospun Zein/PEO Fibroporous Membranes for Wound Dressing. ACS Applied Bio Materials, 2022, 5, 1538-1551.	2.3	13
4	Effect of membrane parameters and filter structure on the efficiency of leukocyte removal by electrospun poly(ethylene-co-vinyl alcohol) membranes. Journal of Biomaterials Science, Polymer Edition, 2021, 32, 595-612.	1.9	5
5	An explicit correlation between surface functionality, wettability, and leukocyte removal by electrospun filter media. Materials Today Communications, 2021, 26, 102075.	0.9	1
6	Investigation of the potency of leukodepletion filter membranes immobilized with bovine serum albumin via polydopamine spacer. SN Applied Sciences, 2020, 2, 1.	1.5	3
7	Accelerated Outgrowth of Neurites on Graphene Oxide-Based Hybrid Electrospun Fibro-Porous Polymeric Substrates. ACS Applied Bio Materials, 2020, 3, 2160-2169.	2.3	12
8	Pamidronate-Encapsulated Electrospun Polycaprolactone-Based Composite Scaffolds for Osteoporotic Bone Defect Repair. ACS Applied Bio Materials, 2020, 3, 1924-1933.	2.3	10
9	Glycine integrated zwitterionic hemocompatible electrospun poly(ethylene-co-vinyl alcohol) membranes for leukodepletion. Biomedical Physics and Engineering Express, 2020, 6, 055019.	0.6	5
10	Pamidronate-encapsulated electrospun polycaprolactone as a potential bone regenerative scaffold. Journal of Bioactive and Compatible Polymers, 2019, 34, 131-149.	0.8	6
11	Sulfobetaine-Functionalized electrospun poly(ethylene-co-vinyl alcohol) membranes for blood filtration. Journal of Applied Polymer Science, 2019, 136, 47057.	1.3	7
12	Hybrid polycaprolactone/polyethylene oxide scaffolds with tunable fiber surface morphology, improved hydrophilicity and biodegradability for bone tissue engineering applications. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 1444-1462.	1.9	33
13	Differential Adhesive and Bioactive Properties of the Polymeric Surface Coated with Graphene Oxide Thin Film. ACS Applied Materials & Interfaces, 2017, 9, 4498-4508.	4.0	30
14	Biomimetic approaches with smart interfaces for bone regeneration. Journal of Biomedical Science, 2016, 23, 77.	2.6	27
15	Silanization induced inherent strain in graphene based filler influencing mechanical properties of polycarbonate urethane nanocomposite membranes. RSC Advances, 2016, 6, 104235-104245.	1.7	5
16	Fabrication and characterization of silver nanoparticle impregnated uniaxially aligned fibre yarns by one-step electrospinning process. Journal of Materials Science, 2016, 51, 2739-2746.	1.7	6
17	A novel leukodepletion filter from electrospun poly(ethylene-vinyl alcohol) membranes and evaluation of its efficiency. International Journal of Polymeric Materials and Polymeric Biomaterials, 2016, 65, 183-190.	1.8	8
18	Effect of photografting 2-hydroxyethyl acrylate on the hemocompatibility of electrospun poly(ethylene-co-vinyl alcohol) fibroporous mats. Materials Science and Engineering C, 2016, 60, 19-29.	3.8	15

#	ARTICLE	IF	CITATIONS
19	Mechanical characterization of high-performance graphene oxide incorporated aligned fibroporous poly(carbonate urethane) membrane for potential biomedical applications. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	31
20	Plasma surface modification of fibroporous polycarbonate urethane membrane by polydimethyl siloxane: Structural characterization, mechanical properties, and <i>in vitro</i> cytocompatibility evaluation. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 947-957.	2.1	4
21	Nanohydroxyapatite Incorporated Electrospun Polycaprolactone/Polycaprolactone-Polyethyleneglycol-Polycaprolactone Blend Scaffold for Bone Tissue Engineering Applications. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 1483-1494.	0.5	45
22	Fibro-porous polycaprolactone membrane containing extracts of <i>Biophytum sensitivum</i> : A prospective antibacterial wound dressing. <i>Journal of Applied Polymer Science</i> , 2013, 129, 2280-2286.	1.3	17
23	Structural characterization, mechanical properties, and <i>in vitro</i> cytocompatibility evaluation of fibrous polycarbonate urethane membranes for biomedical applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 3042-3050.	2.1	27
24	Blends of thermoplastic polyurethane (TPU) and polydimethyl siloxane rubber (PDMS), part-I: assessment of compatibility from torque rheometry and mechanical properties. <i>Journal of Polymer Research</i> , 2012, 19, 1.	1.2	33
25	Synthesis and characterization of poly(urethane-ether)s from calcium salt of <i>p</i> -hydroxybenzoic acid. <i>Journal of Applied Polymer Science</i> , 2011, 122, 1946-1952.	1.3	4
26	Porous composites of hydroxyapatite-filled poly[ethylene-co(vinyl acetate)] for tissue engineering. <i>Polymer International</i> , 2011, 60, 51-58.	1.6	10
27	Mechanical properties of hydroxyapatite-filled ethylene vinyl acetate copolymer composites: Effect of particle size and morphology. <i>Journal of Applied Polymer Science</i> , 2011, 119, 1594-1601.	1.3	6
28	Metallocene based polyolefin: a potential candidate for the replacement of flexible poly (vinyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	1.6	6
29	Swelling behavior of hydroxyapatite-filled chitosan-poly(acrylic acid) polyelectrolyte complexes. <i>Journal of Applied Polymer Science</i> , 2006, 100, 4716-4722.	1.3	9
30	Release of dithiocarbamates into artificial sweat from latex vulcanizates: Effects of the accelerator type and storage time. <i>Journal of Applied Polymer Science</i> , 2006, 102, 2055-2061.	1.3	7
31	Effect of partial replacement of di(2-ethyl hexyl)phthalate, by a polymeric plasticizer, on the permeability and leaching properties of poly(vinyl chloride). <i>Journal of Applied Polymer Science</i> , 2006, 102, 4720-4727.	1.3	11
32	Preparation of microstructured hydroxyapatite microspheres using oil in water emulsions. <i>Bulletin of Materials Science</i> , 2005, 28, 383-390.	0.8	42
33	Hydroxyapatite filled chitosan-polyacrylic acid polyelectrolyte complexes. <i>Journal of Materials Science</i> , 2003, 38, 3653-3662.	1.7	42
34	NATURAL RUBBER LATEX PRODUCTS: CONCERNS IN HEALTH CARE. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 2002, 42, 185-234.	2.2	3
35	Synthesis of calcium-containing methacrylate resin. <i>Journal of Applied Polymer Science</i> , 2001, 82, 2342-2346.	1.3	2
36	A Comparative Evaluation of Coefficient of Friction and Mechanical Properties of Commercially Available Foley Catheters. <i>Journal of Biomaterials Applications</i> , 2001, 15, 344-350.	1.2	7