Ramesh Parameswaran

List of Publications by Year
in descending order

36	496	759055 12	713332 21
papers	citations	h-index	g-index

36	36	36	759
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanohydroxyapatite Incorporated Electrospun Polycaprolactone/Polycaprolactoneâ€“Polyethyleneglycolâ€“Polycaprolactone Blend Scaffold for Bone Tissue Engineering Applications. Journal of Biomedical Nanotechnology, 2013, 9, 1483-1494.	0.5	45
2	Hydroxyapatite filled chitosan-polyacrylic acid polyelectrolyte complexes. Journal of Materials Science, 2003, 38, 3653-3662.	1.7	42
3	Preparation of microstructured hydroxyapatite microspheres using oil in water emulsions. Bulletin of Materials Science, 2005, 28, 383-390.	0.8	42
4	Blends of thermoplastic polyurethane (TPU) and polydimethyl siloxane rubber (PDMS), part-I: assessment of compatibility from torque rheometry and mechanical properties. Journal of Polymer Research, 2012, 19, 1.	1.2	33
5	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
6	Mechanical characterization of highâ€performance graphene oxide incorporated aligned fibroporous poly(carbonate urethane) membrane for potential biomedical applications. Journal of Applied Polymer Science, 2015, 132, .	1.3	31
7	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
8	Structural characterization, mechanical properties, and in vitro cytocompatibility evaluation of fibrous polycarbonate urethane membranes for biomedical applications. Journal of Biomedical Materials Research - Part A, 2012, 100A, 3042-3050.	2.1	27
9	Biomimetic approaches with smart interfaces for bone regeneration. Journal of Biomedical Science, 2016, 23, 77.	2.6	27
10	Fibroâ€porous polycaprolactone membrane containing extracts of Biophytum sensitivum: A prospective antibacterial wound dressing. Journal of Applied Polymer Science, 2013, 129, 2280-2286.	1.3	17
11	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
12	UV-Crosslinked Electrospun Zein/PEO Fibroporous Membranes for Wound Dressing. ACS Applied Bio Materials, 2022, 5, 1538-1551.	2.3	13
13	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
14	Effect of partial replacement of di(2-ethyl hexyl)phthalate, by a polymeric plasticizer, on the permeability and leaching properties of poly(vinyl chloride). Journal of Applied Polymer Science, 2006, 102, 4720-4727.	1.3	11
15	Porous composites of hydroxyapatiteâ€filled poly[ethyleneâ€coâ€(vinyl acetate)] for tissue engineering. Polymer International, 2011, 60, 51-58.	1.6	10
16	Pamidronate-Encapsulated Electrospun Polycaprolactone-Based Composite Scaffolds for Osteoporotic Bone Defect Repair. ACS Applied Bio Materials, 2020, 3, 1924-1933.	2.3	10
17	Swelling behavior of hydroxyapatite-filled chitosanâ€“poly(acrylic acid) polyelectrolyte complexes. Journal of Applied Polymer Science, 2006, 100, 4716-4722.	1.3	9
18	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

#	Article	IF	Citations
19	A Comparative Evaluation of Coefficient of Friction and Mechanical Properties of Commercially Available Foley Catheters. Journal of Biomaterials Applications, 2001, 15, 344-350.	1.2	7
20	Release of dithiocarbamates into artificial sweat from latex vulcanizates: Effects of the accelerator type and storage time. Journal of Applied Polymer Science, 2006, 102, 2055-2061.	1.3	7
21	Sulfobetaineâ€functionalized electrospun poly(ethyleneâ€•co â€vinyl alcohol) membranes for blood filtration. Journal of Applied Polymer Science, 2019, 136, 47057.	1.3	7
22	Metallocene based polyolefin: a potential candidate for the replacement of flexible poly (vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	1.6	6
23	Mechanical properties of hydroxyapatiteâ€filled ethylene vinyl acetate copolymer composites: Effect of particle size and morphology. Journal of Applied Polymer Science, 2011, 119, 1594-1601.	1.3	6
24	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
25	Pamidronate-encapsulated electrospun polycaprolactone as a potential bone regenerative scaffold. Journal of Bioactive and Compatible Polymers, 2019, 34, 131-149.	0.8	6
26	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
27	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
28	Glycine integrated zwitterionic hemocompatible electrospun poly(ethylene-co-vinyl alcohol) membranes for leukodepletion. Biomedical Physics and Engineering Express, 2020, 6, 055019.	0.6	5
29	Synthesis and characterization of poly(urethaneâ€ether)s from calcium salt of pâ€hydroxybenzoic acid. Journal of Applied Polymer Science, 2011, 122, 1946-1952.	1.3	4
30	Plasma surface modification of fibroporous polycarbonate urethane membrane by polydimethyl siloxane: Structural characterization, mechanical properties, and in vitro cytocompatibility evaluation. Journal of Biomedical Materials Research - Part A, 2014, 102, 947-957.	2.1	4
31	NATURAL RUBBER LATEX PRODUCTS: CONCERNS IN HEALTH CARE. Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics, 2002, 42, 185-234.	2.2	3
32	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
33	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
34	Synthesis of calcium-containing methacrylate resin. Journal of Applied Polymer Science, 2001, 82, 2342-2346.	1.3	2
35	An explicit correlation between surface functionality, wettability, and leukocyte removal by electrospun filter media. Materials Today Communications, 2021, 26, 102075.	0.9	1
36	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