Saravana Kumar Jaganathan

List of Publications by Citations

146 papers	3,763 citations	35 h-index	55 g-index
159 ext. papers	4,355 ext. citations	3 avg, IF	6.06 L-index

#	Paper	IF	Citations
146	Antiproliferative effects of honey and of its polyphenols: a review. *Journal of Biomedicine and Biotechnology*, **2009**, 2009, 830616		169
145	Rare earth element (REE) lanthanum doped zinc oxide (La: ZnO) nanomaterials: Synthesis structural optical and antibacterial studies. *Journal of Alloys and Compounds*, **2017**, 723, 1155-1161	5.7	166
144	Spinel Ni Zn1Fe2O4 (0.0□x□1.0) nano-photocatalysts: Synthesis, characterization and photocatalytic degradation of methylene blue dye. *Journal of Molecular Structure*, **2016**, 1119, 39-47	3.4	129
143	Enhanced magneto-optical and photo-catalytic properties of transition metal cobalt (Co2+ ions) doped spinel MgFe2O4 ferrite nanocomposites. *Journal of Magnetism and Magnetic Materials*, **2018**, 452, 380-388	2.8	128
142	Antiproliferative and molecular mechanism of eugenol-induced apoptosis in cancer cells. *Molecules*, **2012**, 17, 6290-304	4.8	127
141	Apoptotic effect of eugenol in human colon cancer cell lines. *Cell Biology International*, **2011**, 35, 607-15	4.5	115
140	Events associated with apoptotic effect of p-Coumaric acid in HCT-15 colon cancer cells. *World Journal of Gastroenterology*, **2013**, 19, 7726-34	5.6	101
139	Structural, morphological, enhanced magnetic properties and antibacterial bio-medical activity of rare earth element (REE) cerium (Ce3+) doped CoFe2O4 nanoparticles. *Journal of Magnetism and Magnetic Materials*, **2019**, 476, 157-165	2.8	98
138	Novel CuO/chitosan nanocomposite thin film: facile hand-picking recoverable, efficient and reusable heterogeneous photocatalyst. *RSC Advances*, **2015**, 5, 57493-57501	3.7	82
137	Biomaterials in cardiovascular research: applications and clinical implications. *BioMed Research International*, **2014**, 2014, 459465	3	76
136	Enhanced magnetic property and antibacterial biomedical activity of Ce3+ doped CuFe2O4 spinel nanoparticles synthesized by sol-gel method. *Journal of Magnetism and Magnetic Materials*, **2019**, 478, 140-147	2.8	75
135	Recent trends in nano-based drug delivery systems for efficient delivery of phytochemicals in chemotherapy. *RSC Advances*, **2016**, 6, 48294-48314	3.7	75
134	An insight on electrospun-nanofibers-inspired modern drug delivery system in the treatment of deadly cancers. *RSC Advances*, **2015**, 5, 57984-58004	3.7	72
133	Fabrication and hemocompatibility assessment of novel polyurethane-based bio-nanofibrous dressing loaded with honey and Carica papaya extract for the management of burn injuries. *International Journal of Nanomedicine*, **2016**, 11, 4339-55	7.3	64
132	Enhanced Catalytic Activity and Magnetic Properties of Spinel Mn x Zn1□ Fe2O4 (0.0 □x □1.0) Nano-Photocatalysts by Microwave Irradiation Route. *Journal of Superconductivity and Novel Magnetism*, **2016**, 29, 2141-2149	1.5	59
131	Involvement of non-protein thiols, mitochondrial dysfunction, reactive oxygen species and p53 in honey-induced apoptosis. *Investigational New Drugs*, **2010**, 28, 624-33	4.3	58
130	Enhanced Opto-Magneto Properties of NixMg1□Fe2O4 (0.0 □x □1.0) Ferrites Nano-Catalysts. *Journal of Nanoelectronics and Optoelectronics*, **2017**, 12, 1326-1333	1.3	58

129	Gallic acid: prospects and molecular mechanisms of its anticancer activity. *RSC Advances*, **2015**, 5, 35608-35621	3.7	55
128	Preclinical and clinical effects of mistletoe against breast cancer. *BioMed Research International*, **2014**, 2014, 785479	3	54
127	Formation of functional nanofibrous electrospun polyurethane and murivenna oil with improved haemocompatibility for wound healing. *Polymer Testing*, **2017**, 61, 106-113	4.5	51
126	Review: physico-chemical modification as a versatile strategy for the biocompatibility enhancement of biomaterials. *RSC Advances*, **2015**, 5, 39232-39244	3.7	51
125	Review: Radiation-induced surface modification of polymers for biomaterial application. *Journal of Materials Science*, **2015**, 50, 2007-2018	4.3	49
124	Effect of honey and eugenol on Ehrlich ascites and solid carcinoma. *Journal of Biomedicine and Biotechnology*, **2010**, 2010, 989163		49
123	Carbon nanotubes and graphene as emerging candidates in neuroregeneration and neurodrug delivery. *International Journal of Nanomedicine*, **2015**, 10, 4267-77	7.3	48
122	Comparative Study of Structural, Morphological, Magneto-Optical and Photo-Catalytic Properties of Magnetically Reusable Spinel MnFe□□Nano-Catalysts. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 3523-3531	1.3	48
121	Role of pomegranate and citrus fruit juices in colon cancer prevention. *World Journal of Gastroenterology*, **2014**, 20, 4618-25	5.6	46
120	Gallic acid induced apoptotic events in HCT-15 colon cancer cells. *World Journal of Gastroenterology* , **2016**, 22, 3952-61	5.6	46
119	Simultaneous determination of ascorbic acid, dopamine and uric acid by a novel electrochemical sensor based on N/Ar RF plasma assisted graphene nanosheets/graphene nanoribbons. *Biosensors and Bioelectronics*, **2018**, 105, 236-242	11.8	44
118	Novel Synthesis of Spinel Mn x Co1□ Al2 O 4 (x = 0.0 to 1.0) Nanocatalysts: Effect of Mn2+ Doping on Structural, Morphological, and Opto-Magnetic Properties. *Journal of Superconductivity and Novel Magnetism*, **2017**, 30, 691-699	1.5	44
117	Growth inhibition by caffeic acid, one of the phenolic constituents of honey, in HCT 15 colon cancer cells. *Scientific World Journal, The*, **2012**, 2012, 372345	2.2	40
116	Surface Modification of Titanium and its Alloys for the Enhancement of Osseointegration in Orthopaedics. *Current Science*, **2016**, 111, 1003	2.2	39
115	Electrospinning applications from diagnosis to treatment of diabetes. *RSC Advances*, **2016**, 6, 83638-83655	3.7	38
114	Diacerein-mediated inhibition of IL-6/IL-6R signaling induces apoptotic effects on breast cancer. *Oncogene*, **2016**, 35, 3965-75	9.2	38
113	Nanomaterials as a game changer in the management and treatment of diabetic foot ulcers. *RSC Advances*, **2016**, 6, 114859-114878	3.7	38
112	Fabrication and characterisation of nanofibrous polyurethane scaffold incorporated with corn and neem oil using single stage electrospinning technique for bone tissue engineering applications. *Journal of Polymer Research*, **2018**, 25, 1	2.7	37

111	Biomaterials based nano-applications of Aloe vera and its perspective: a review. *RSC Advances*, **2015**, 5, 86199-86213	3.7	35
110	Chemopreventive effect of apple and berry fruits against colon cancer. *World Journal of Gastroenterology*, **2014**, 20, 17029-36	5.6	34
109	Studies on the phenolic profiling, anti-oxidant and cytotoxic activity of Indian honey: in vitro evaluation. *Natural Product Research*, **2010**, 24, 1295-306	2.3	33
108	Electrospun polyurethane nanofibrous composite impregnated with metallic copper for wound-healing application. *3 Biotech*, **2018**, 8, 327	2.8	31
107	Enhanced Magneto-optical and Photocatalytic Properties of Ferromagnetic Mg1−yNiyFe2O4 (0.0 ≤ y ≤1.0) Spinel Nano-ferrites. *Journal of Superconductivity and Novel Magnetism*, **2018**, 31, 3637-3647	1.5	30
106	On-Demand Guided Bone Regeneration with Microbial Protection of Ornamented SPU Scaffold with Bismuth-Doped Single Crystalline Hydroxyapatite: Augmentation and Cartilage Formation. *ACS Applied Materials & Interfaces*, **2016**, 8, 4086-100	9.5	30
105	Engineering electrospun multicomponent polyurethane scaffolding platform comprising grapeseed oil and honey/propolis for bone tissue regeneration. *PLoS ONE*, **2018**, 13, e0205699	3.7	30
104	Engineered electrospun polyurethane and castor oil nanocomposite scaffolds for cardiovascular applications. *Journal of Materials Science*, **2017**, 52, 10673-10685	4.3	29
103	Cancer-related fatigue treatment: An overview. *Journal of Cancer Research and Therapeutics*, **2017**, 13, 916-929	1.2	29
102	Ultrasensitive and selective non-enzymatic electrochemical glucose sensor based on hybrid material of graphene nanosheets/graphene nanoribbons/nickel nanoparticle. *Materials Research Bulletin*, **2018**, 98, 300-307	5.1	28
101	Synthesis and Characterization of Novel Polycarbonate Based Polyurethane/Polymer Wrapped Hydroxyapatite Nanocomposites: Mechanical Properties, Osteoconductivity and Biocompatibility. *Journal of Biomedical Nanotechnology*, **2015**, 11, 291-305	4	27
100	Effect of Mangiferin and Mahanimbine on Glucose Utilization in 3T3-L1 cells. *Pharmacognosy Magazine*, **2013**, 9, 72-5	0.8	27
99	Sol–Gel Synthesis and Characterization Studies of NiMoO4 Nanostructures for Photocatalytic Degradation of Methylene Blue Dye. *Nanoscience and Nanotechnology Letters*, **2016**, 8, 438-443	0.8	27
98	Antioxidant Activity and ROS-Dependent Apoptotic Effect of Scurrula ferruginea (Jack) Danser Methanol Extract in Human Breast Cancer Cell MDA-MB-231. *PLoS ONE*, **2016**, 11, e0158942	3.7	27
97	Manufacturing and Characterization of Novel Electrospun Composite Comprising Polyurethane and Mustard Oil Scaffold with Enhanced Blood Compatibility. *Polymers*, **2017**, 9,	4.5	24
96	A review on antiproliferative and apoptotic activities of natural honey. *Anti-Cancer Agents in Medicinal Chemistry*, **2015**, 15, 48-56	2.2	23
95	Biomimetic electrospun polyurethane matrix composites with tailor made properties for bone tissue engineering scaffolds. *Polymer Testing*, **2019**, 78, 105955	4.5	21
94	Blood compatibility and physicochemical assessment of novel nanocomposite comprising polyurethane and dietary carotino oil for cardiac tissue engineering applications. *Journal of Applied Polymer Science*, **2018**, 135, 45691	2.9	21

93	Development and blood compatibility assessment of electrospun polyvinyl alcohol blended with metallocene polyethylene and plectranthus amboinicus (PVA/mPE/PA) for bone tissue engineering. *International Journal of Nanomedicine*, **2018**, 13, 2777-2788	7.3	21
92	A comparative analysis of EMD based filtering methods for 50 Hz noise cancellation in ECG signal. *Informatics in Medicine Unlocked*, **2017**, 8, 54-59	5.3	20
91	Single-stage synthesis of electrospun polyurethane scaffold impregnated with zinc nitrate nanofibers for wound healing applications. *Journal of Applied Polymer Science*, **2019**, 136, 46942	2.9	20
90	An electrodeposited Au nanoparticle/porous graphene nanoribbon composite for electrochemical detection of alpha-fetoprotein. *Materials Chemistry and Physics*, **2020**, 242, 122514	4.4	20
89	Protic Ionic Liquid Assisted Synthesis and Characterization of Ferromagnetic Cobalt Oxide Nanocatalyst. *Journal of Inorganic and Organometallic Polymers and Materials*, **2017**, 27, 446-454	3.2	19
88	Novel Synthesis and Characterization Studies of Spinel Ni Co Al□□ (= 0.0 to 1.0) Nano-Catalysts for the Catalytic Oxidation of Benzyl Alcohol. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 1019-1026	1.3	19
87	Folic Acid Decorated Chitosan Nanoparticles and its Derivatives for the Delivery of Drugs and Genes to Cancer Cells. *Current Science*, **2017**, 113, 1530	2.2	19
86	Prospects of common biomolecules as coating substances for polymeric biomaterials. *RSC Advances* , **2015**, 5, 69660-69679	3.7	18
85	Structural, morphological and optical properties of multifunctional magnetic-luminescent ZnO@Fe3O4 nanocomposite. *Physica E: Low-Dimensional Systems and Nanostructures*, **2020**, 124, 114291	3	18
84	Preparation, characterization and blood compatibility assessment of a novel electrospun nanocomposite comprising polyurethane and ayurvedic-indhulekha oil for tissue engineering applications. *Biomedizinische Technik*, **2018**, 63, 245-253	1.3	18
83	Enriched mechanical, thermal, and blood compatibility of single stage electrospun polyurethane nickel oxide nanocomposite for cardiac tissue engineering. *Polymer Composites*, **2019**, 40, 2381-2390	3	17
82	Synthesis and luminescence properties of CaGd2(MoO4)4:Ln3+ (Ln = Eu3+, Tb3+, Dy3+ and Sm3+) phosphors. *Journal of Luminescence*, **2018**, 199, 53-59	3.8	17
81	Can flavonoids from honey alter multidrug resistance?. *Medical Hypotheses*, **2011**, 76, 535-7	3.8	17
80	Simple Precipitation Synthesis, Characterization and Antibacterial Activity of Mn-Doped ZnO Nanoparticles. *Advanced Science, Engineering and Medicine*, **2017**, 9, 483-488	0.6	17
79	Overview on in vitro and in vivo investigations of nanocomposite based cancer diagnosis and therapeutics. *RSC Advances*, **2015**, 5, 72638-72652	3.7	16
78	Single stage electrospun multicomponent scaffold for bone tissue engineering application. *Polymer Testing*, **2018**, 70, 244-254	4.5	16
77	Multifaceted prospects of nanocomposites for cardiovascular grafts and stents. *International Journal of Nanomedicine*, **2015**, 10, 2785-803	7.3	16
76	Electrospun Combination of Peppermint Oil and Copper Sulphate with Conducive Physico-Chemical properties for Wound Dressing Applications. *Polymers*, **2019**, 11,	4.5	15

75	Appraisal of electrospun textile scaffold comprising polyurethane decorated with ginger nanofibers for wound healing applications. *Journal of Industrial Textiles*, **2019**, 49, 648-662	1.6	15
74	Microwave-assisted surface modification of metallocene polyethylene for improving blood compatibility. *BioMed Research International*, **2013**, 2013, 253473	3	15
73	Tailor-made multicomponent electrospun polyurethane nanofibrous composite scaffold comprising olive oil, honey, and propolis for bone tissue engineering. *Polymer Composites*, **2019**, 40, 2039-2050	3	13
72	Engineered Electrospun Polyurethane Composite Patch Combined with Bi-functional Components Rendering High Strength for Cardiac Tissue Engineering. *Polymers*, **2019**, 11,	4.5	12
71	Fabrication and characterization of polyurethane patch loaded with palmarosa and cobalt nitrate for cardiac tissue engineering. *International Journal of Polymer Analysis and Characterization*, **2019**, 24, 399-411	1.7	12
70	Advanced nanofibrous textile-based dressing material for treating chronic wounds. *Bulletin of Materials Science*, **2018**, 41, 1	1.7	12
69	Atmospheric pressure non-thermal plasma assisted polymerization of poly (ethylene glycol) methylether methacrylate (PEGMA) on low density polyethylene (LDPE) films for enhancement of biocompatibility. *Surface and Coatings Technology*, **2017**, 329, 55-67	4.4	12
68	Hydrothermal synthesis, characterization and luminescence properties of CaGd2(MoO4)4:Eu3+ ovoid like structures. *New Journal of Chemistry*, **2017**, 41, 14977-14984	3.6	11
67	Honey and its Phytochemicals: Plausible Agents in Combating Colon Cancer through its Diversified Actions. *Journal of Food Biochemistry*, **2016**, 40, 613-629	3.3	11
66	Multifaceted Characterization And In Vitro Assessment Of Polyurethane-Based Electrospun Fibrous Composite For Bone Tissue Engineering. *International Journal of Nanomedicine*, **2019**, 14, 8149-8159	7.3	10
65	Production, blood compatibility and cytotoxicity evaluation of a single stage non-woven multicomponent electrospun scaffold mixed with sesame oil, honey and propolis for skin tissue engineering. *International Journal of Polymer Analysis and Characterization*, **2019**, 24, 457-474	1.7	10
64	Tangible nanocomposites with diverse properties for heart valve application. *Science and Technology of Advanced Materials*, **2015**, 16, 033504	7.1	10
63	Fabrication and Testing of Electrospun Polyurethane Blended with Chitosan Nanoparticles for Vascular Graft Applications. *Cardiovascular Engineering and Technology*, **2018**, 9, 503-513	2.2	10
62	Cervicare induces apoptosis in HeLa and CaSki cells through ROS production and loss of mitochondrial membrane potential. *RSC Advances*, **2016**, 6, 24391-24417	3.7	10
61	Single-stage electrospun innovative combination of polyurethane and neem oil: Synthesis, characterization and appraisal of blood compatibility. *Journal of Bioactive and Compatible Polymers*, **2018**, 33, 573-584	2	10
60	Enriched Mechanical Strength and Bone Mineralisation of Electrospun Biomimetic Scaffold Laden with Ylang Ylang Oil and Zinc Nitrate for Bone Tissue Engineering. *Polymers*, **2019**, 11,	4.5	10
59	Enriched physicochemical and blood-compatible properties of nanofibrous polyurethane patch engrafted with juniper oil and titanium dioxide for cardiac tissue engineering. *International Journal of Polymer Analysis and Characterization*, **2019**, 24, 696-708	1.7	9
58	In vitro blood compatibility and bone mineralization aspects of polymeric scaffold laden with essential oil and metallic particles for bone tissue engineering. *International Journal of Polymer Analysis and Characterization*, **2019**, 24, 504-516	1.7	9

57	Review: unraveling the less explored flocking technology for tissue engineering scaffolds. *RSC Advances*, **2015**, 5, 73225-73240	3.7	9
56	Influence of operating parameters on development of polyethylene oxide-like coatings on the surfaces of polypropylene films by atmospheric pressure cold plasma jet-assisted polymerization to enhance their antifouling properties. *Journal of Physics and Chemistry of Solids*, **2018**, 123, 76-86	3.9	9
55	Enhanced blood compatibility of metallocene polyethylene subjected to hydrochloric acid treatment for cardiovascular implants. *BioMed Research International*, **2014**, 2014, 963149	3	9
54	One-Pot Combustion Synthesis and Characterization Studies of Spinel CoAl2O4 Nano-Catalysts. *Nanoscience and Nanotechnology Letters*, **2016**, 8, 424-427	0.8	9
53	Development of advanced nanostructured polyurethane composites comprising hybrid fillers with enhanced properties for regenerative medicine. *Polymer Testing*, **2019**, 73, 12-20	4.5	9
52	Socio-economic demands and challenges for non-invasive disease diagnosis through a portable breathalyzer by the incorporation of 2D nanosheets and SMO nanocomposites.. *RSC Advances*, **2021**, 11, 21216-21234	3.7	9
51	Green synthesis of nickel oxide particles and its integration into polyurethane scaffold matrix ornamented with groundnut oil for bone tissue engineering. *International Journal of Polymer Analysis and Characterization*, **2019**, 24, 571-583	1.7	8
50	Augmented physico-chemical, crystalline, mechanical, and biocompatible properties of electrospun polyurethane titanium dioxide composite patch for cardiac tissue engineering. *Polymer Composites*, **2019**, 40, 3758-3767	3	8
49	The potential of biomimetic nanofibrous electrospun scaffold comprising dual component for bone tissue engineering. *International Journal of Polymer Analysis and Characterization*, **2019**, 24, 204-218	1.7	8
48	Morphological, thermal, and blood-compatible properties of electrospun nanocomposites for tissue engineering application. *Polymer Composites*, **2018**, 39, E132-E139	3	8
47	Microwave-assisted fibrous decoration of mPE surface utilizing Aloe vera extract for tissue engineering applications. *International Journal of Nanomedicine*, **2015**, 10, 5909-23	7.3	8
46	Green-Synthesized Zinc Oxide Nanoparticles Decorated Nanofibrous Polyurethane Mesh Loaded with Virgin Coconut Oil for Tissue Engineering Application. *Current Nanoscience*, **2018**, 14, 280-289	1.4	8
45	Unravelling the potential of nitric acid as a surface modifier for improving the hemocompatibility of metallocene polyethylene for blood contacting devices. *PeerJ*, **2016**, 4, e1388	3.1	8
44	Physicochemical and blood compatibility characteristics of garlic incorporated polyurethane nanofibrous scaffold for wound dressing applications. *Journal of the Textile Institute*, **2019**, 110, 1615-1623	1.5	7
43	Enhanced Catalytic Activity, Facile Synthesis and Characterization Studies of Spinel Mn-Co Aluminate Nano-Catalysts. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 1388-1395	1.3	7
42	Evaluation of cardiac signals using discrete wavelet transform with MATLAB graphical user interface. *Indian Heart Journal*, **2015**, 67, 549-51	1.6	7
41	Selective Catalytic Oxidation of Benzyl Alcohol and Characterization Studies of Spinel MnAl2O4 Nanoparticles by a Facile Synthesis Route. *Nanoscience and Nanotechnology Letters*, **2016**, 8, 434-437	0.8	7
40	Fabrication and characterization of tailor-made novel electrospun fibrous polyurethane scaffolds decorated with propolis and neem oil for tissue engineering applications. *Journal of Industrial Textiles*, **2020**, 49, 1178-1197	1.6	7

39	Fabrication and characterization of electrospun polyurethane blended with dietary grapes for skin tissue engineering. *Journal of Industrial Textiles*, **2020**, 50, 655-674	1.6	7
38	Production and hemocompatibility assessment of novel electrospun polyurethane nanofibers loaded with dietary virgin coconut oil for vascular graft applications. *Journal of Bioactive and Compatible Polymers*, **2018**, 33, 210-223	2	6
37	Electrospun polyurethane patch in combination with cedarwood and cobalt nitrate for cardiac applications. *Journal of Applied Polymer Science*, **2019**, 136, 48226	2.9	6
36	Microwave-Assisted Dip Coating of Aloe Vera on Metallocene Polyethylene Incorporated with Nano-Rods of Hydroxyapaptite for Bone Tissue Engineering. *Coatings*, **2017**, 7, 182	2.9	6
35	Enhanced mechanical, thermal and biocompatible nature of dual component electrospun nanocomposite for bone tissue engineering. *PeerJ*, **2019**, 7, e6986	3.1	6
34	Development of phosphor containing functional coatings via cold atmospheric pressure plasma jet - Study of various operating parameters. *Applied Surface Science*, **2019**, 488, 343-350	6.7	5
33	Physicochemical assessment of tailor made fibrous polyurethane scaffolds incorporated with turmeric oil for wound healing applications. *International Journal of Polymer Analysis and Characterization*, **2019**, 24, 752-762	1.7	5
32	Fabrication and characterization of chitosan nanoparticles and collagen-loaded polyurethane nanocomposite membrane coated with heparin for atrial septal defect (ASD) closure. *3 Biotech*, **2017**, 7, 174	2.8	5
31	Evaluation of selected honey and one of its phenolic constituent eugenol against L1210 lymphoid leukemia. *Scientific World Journal, The*, **2014**, 2014, 912051	2.2	5
30	An Insight into the Putative Role of Victuals Like Honey and its Polyphenols in Breast Cancer. *Current Science*, **2017**, 112, 1839	2.2	5
29	Blood compatibility assessments of novel electrospun PVA/egg white nanocomposite membrane. *Bioinspired, Biomimetic and Nanobiomaterials*, **2018**, 7, 213-218	1.3	4
28	Synthesis and Luminescence Properties of CaGd2(MoO4)4:Dy3+, Eu3+, Tm3+ Phosphors for Warm White UV LEDs. *Journal of Electronic Materials*, **2018**, 47, 6210-6220	1.9	4
27	UV induced surface modification on improving the cytocompatibility of metallocene polyethylene. *Anais Da Academia Brasileira De Ciencias*, **2018**, 90, 195-204	1.4	4
26	Natural Frequency of Cancer Cells as a Starting Point in Cancer Treatment. *Current Science*, **2016**, 110, 1828	2.2	4
25	Synthesis and luminescence properties of LiGd3(MoO4)5:Eu3+ phosphors for white LED applications. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 2037-2044	2.1	4
24	Degradation of simulated Direct Orange-S (DO-S) textile effluent using nonthermal atmospheric pressure plasma jet. *Environmental Geochemistry and Health*, **2021**, 43, 649-662	4.7	4
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22	Blood compatibility assessments of electrospun polyurethane nanocomposites blended with megni oil for tissue engineering applications. *Anais Da Academia Brasileira De Ciencias*, **2019**, 91, e20190018	1.4	3

21	Sol–gel synthesis and luminescence properties of CaGd2(MoO4)4:Pr3+ phosphors for white LED applications. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 8504-8511	2.1	3
20	Polymer coatings for biocompatibility and reduced nonspecific adsorption **2018**, 155-198		3
19	Fabrication and characterization of a novel wound scaffold based on polyurethane added with Channa striatus for wound dressing applications. *International Journal of Polymer Analysis and Characterization*, **2020**, 25, 126-133	1.7	2
18	Engineered multicomponent electrospun nanocomposite scaffolds comprising polyurethane loaded with ghee and propolis for bone tissue repair. *Journal of Industrial Textiles*, **2020**, 152808372090880	1.6	2
17	Surface, thermal and hemocompatible properties of novel single stage electrospun nanocomposites comprising polyurethane blended with bio oilTM. *Anais Da Academia Brasileira De Ciencias*, **2017**, 89, 2411-2422	1.4	2
16	Electrospinning synthesis and assessment of physicochemical properties and biocompatibility of cobalt nitrate fibers for wound healing applications. *Anais Da Academia Brasileira De Ciencias*, **2019**, 91, e20180237	1.4	2
15	Estimation and Comparison of Natural Frequency of Coronary Metallic Stents using Modal Analysis. *Indian Journal of Science and Technology*, **2015**, 8,	1	2
14	Effect of solvent on the physicochemical properties of electrospun nanocomposite with gamat oil and cerium oxide for potential medical engineering application. *Journal of the Textile Institute*, **2020**, 1-10	1.5	2
13	Blood compatibility investigation of nanofibrous PU–copper nanoparticles–avocado membrane. *Bioinspired, Biomimetic and Nanobiomaterials*, **2018**, 7, 238-248	1.3	2
12	Development and blood compatibility evaluation of novel fibrous textile scaffold based on polyurethane amalgamated with Alternanthera sessilis oil for the bone tissue engineering. *Journal of Industrial Textiles*, **2020**, 152808372090680	1.6	1
11	Hemocompatibility of Sulfuric Acid-Treated Metallocene Polyethylene and its Application in Reducing the Quantity of Medical Plastic Waste. *Polymer-Plastics Technology and Engineering*, **2017**, 56, 240-253		1
10	Electrospun novel nanocomposite comprising polyurethane integrated with ayurveda amla oil for bone tissue engineering. *Anais Da Academia Brasileira De Ciencias*, **2020**, 92, e20180369	1.4	1
9	Evaluation of electrospun polyurethane scaffolds loaded with cerium oxide for bone tissue engineering. *Journal of Industrial Textiles*,152808372110066	1.6	1
8	Novel green surface modification of metallocene polyethylene by steam to enhance its hemocompatible properties. *Journal of Applied Polymer Science*, **2016**, 133, n/a-n/a	2.9	1
7	Morphological properties of almond oil constituted nanofibrous scaffold for bone tissue engineering. *Polymers and Polymer Composites*, **2020**, 28, 233-241	0.8	1
6	Physico-chemical and mechanical properties of novel electrospun polyurethane composite with enhanced blood compatibility. *Pigment and Resin Technology*, **2021**, ahead-of-print,	1	1
5	Influence of ZnSe Surface Coatings for Enhancing the Performance of Multicrystalline Silicon Solar Cells. *Journal of Electronic Materials*,1	1.9	0
4	Investigation of attributes of bourbon oil and cobalt nitrate constituted electrospun nanoscaffolds for blood compatibility and in vitro bone formation. *Anais Da Academia Brasileira De Ciencias*, **2021**, 93, e20201140	1.4	

3	Physicochemical and mechanical properties of electrospun polyurethane composite patch integrated with green synthesized cobalt nanoparticles for cardiac applications. *Journal of the Textile Institute*,1-8	1.5
2	Compatible properties and behaviour of dually loaded electrospun polyurethane bone tissue scaffolds. *Journal of Industrial Textiles*,152808372199606	1.6
1	Engineered properties of polyurethane laden with beetroot and cerium oxide for cardiac patch application. *Journal of Industrial Textiles*,152808372110542	1.6