

Saravana Kumar Jaganathan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Investigation of attributes of bourbon oil and cobalt nitrate constituted electrospun nanoscaffolds for blood compatibility and in vitro bone formation. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021 , 93, e20201140	1.4	
145	Degradation of simulated Direct Orange-S (DO-S) textile effluent using nonthermal atmospheric pressure plasma jet. <i>Environmental Geochemistry and Health</i> , 2021 , 43, 649-662	4.7	4
144	Socio-economic demands and challenges for non-invasive disease diagnosis through a portable breathalyzer by the incorporation of 2D nanosheets and SMO nanocomposites.. <i>RSC Advances</i> , 2021 , 11, 21216-21234	3.7	9
143	Physico-chemical and mechanical properties of novel electrospun polyurethane composite with enhanced blood compatibility. <i>Pigment and Resin Technology</i> , 2021 , ahead-of-print,	1	1
142	Fabrication and characterization of a novel wound scaffold based on polyurethane added with <i>Channa striatus</i> for wound dressing applications. <i>International Journal of Polymer Analysis and Characterization</i> , 2020 , 25, 126-133	1.7	2
141	Structural, morphological and optical properties of multifunctional magnetic-luminescent ZnO@Fe ₃ O ₄ nanocomposite. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020 , 124, 114291 ³		18
140	Engineered multicomponent electrospun nanocomposite scaffolds comprising polyurethane loaded with ghee and propolis for bone tissue repair. <i>Journal of Industrial Textiles</i> , 2020 , 152808372090880 ¹⁶		2
139	Development and blood compatibility evaluation of novel fibrous textile scaffold based on polyurethane amalgamated with <i>Alternanthera sessilis</i> oil for the bone tissue engineering. <i>Journal of Industrial Textiles</i> , 2020 , 152808372090680	1.6	1
138	Electrospun novel nanocomposite comprising polyurethane integrated with ayurveda amla oil for bone tissue engineering. <i>Anais Da Academia Brasileira De Ciencias</i> , 2020 , 92, e20180369	1.4	1
137	An electrodeposited Au nanoparticle/porous graphene nanoribbon composite for electrochemical detection of alpha-fetoprotein. <i>Materials Chemistry and Physics</i> , 2020 , 242, 122514	4.4	20
136	Effect of solvent on the physicochemical properties of electrospun nanocomposite with gamat oil and cerium oxide for potential medical engineering application. <i>Journal of the Textile Institute</i> , 2020 , 1-10	1.5	2
135	Fabrication and characterization of tailor-made novel electrospun fibrous polyurethane scaffolds decorated with propolis and neem oil for tissue engineering applications. <i>Journal of Industrial Textiles</i> , 2020 , 49, 1178-1197	1.6	7
134	Fabrication and characterization of electrospun polyurethane blended with dietary grapes for skin tissue engineering. <i>Journal of Industrial Textiles</i> , 2020 , 50, 655-674	1.6	7
133	Morphological properties of almond oil constituted nanofibrous scaffold for bone tissue engineering. <i>Polymers and Polymer Composites</i> , 2020 , 28, 233-241	0.8	1
132	Multifaceted Characterization And In Vitro Assessment Of Polyurethane-Based Electrospun Fibrous Composite For Bone Tissue Engineering. <i>International Journal of Nanomedicine</i> , 2019 , 14, 8149-8159	7.3	10
131	Enriched physicochemical and blood-compatible properties of nanofibrous polyurethane patch engrafted with juniper oil and titanium dioxide for cardiac tissue engineering. <i>International Journal of Polymer Analysis and Characterization</i> , 2019 , 24, 696-708	1.7	9
130	Enhanced magnetic property and antibacterial biomedical activity of Ce ³⁺ doped CuFe ₂ O ₄ spinel nanoparticles synthesized by sol-gel method. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 478, 140-147	2.8	75

129	Biomimetic electrospun polyurethane matrix composites with tailor made properties for bone tissue engineering scaffolds. <i>Polymer Testing</i> , 2019 , 78, 105955	4.5	21
128	Blood compatibility assessments of electrospun polyurethane nanocomposites blended with megni oil for tissue engineering applications. <i>Anais Da Academia Brasileira De Ciencias</i> , 2019 , 91, e20190018	1.4	3
127	Green synthesis of nickel oxide particles and its integration into polyurethane scaffold matrix ornamented with groundnut oil for bone tissue engineering. <i>International Journal of Polymer Analysis and Characterization</i> , 2019 , 24, 571-583	1.7	8
126	Physicochemical and blood compatibility characteristics of garlic incorporated polyurethane nanofibrous scaffold for wound dressing applications. <i>Journal of the Textile Institute</i> , 2019 , 110, 1615-1623	1.5	7
125	Development of phosphor containing functional coatings via cold atmospheric pressure plasma jet - Study of various operating parameters. <i>Applied Surface Science</i> , 2019 , 488, 343-350	6.7	5
124	Electrospun Combination of Peppermint Oil and Copper Sulphate with Conducive Physico-Chemical properties for Wound Dressing Applications. <i>Polymers</i> , 2019 , 11,	4.5	15
123	Engineered Electrospun Polyurethane Composite Patch Combined with Bi-functional Components Rendering High Strength for Cardiac Tissue Engineering. <i>Polymers</i> , 2019 , 11,	4.5	12
122	Fabrication and characterization of polyurethane patch loaded with palmarosa and cobalt nitrate for cardiac tissue engineering. <i>International Journal of Polymer Analysis and Characterization</i> , 2019 , 24, 399-411	1.7	12
121	In vitro blood compatibility and bone mineralization aspects of polymeric scaffold laden with essential oil and metallic particles for bone tissue engineering. <i>International Journal of Polymer Analysis and Characterization</i> , 2019 , 24, 504-516	1.7	9
120	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. <i>International Journal of Polymer Analysis and Characterization</i> , 2019 , 24, 457-474	1.7	10
119	Augmented physico-chemical, crystalline, mechanical, and biocompatible properties of electrospun polyurethane titanium dioxide composite patch for cardiac tissue engineering. <i>Polymer Composites</i> , 2019 , 40, 3758-3767	3	8
118	Enriched mechanical, thermal, and blood compatibility of single stage electrospun polyurethane nickel oxide nanocomposite for cardiac tissue engineering. <i>Polymer Composites</i> , 2019 , 40, 2381-2390	3	17
117	The potential of biomimetic nanofibrous electrospun scaffold comprising dual component for bone tissue engineering. <i>International Journal of Polymer Analysis and Characterization</i> , 2019 , 24, 204-218	1.7	8
116	Single-stage synthesis of electrospun polyurethane scaffold impregnated with zinc nitrate nanofibers for wound healing applications. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 46942	2.9	20
115	Appraisal of electrospun textile scaffold comprising polyurethane decorated with ginger nanofibers for wound healing applications. <i>Journal of Industrial Textiles</i> , 2019 , 49, 648-662	1.6	15
114	Enriched Mechanical Strength and Bone Mineralisation of Electrospun Biomimetic Scaffold Laden with Ylang Ylang Oil and Zinc Nitrate for Bone Tissue Engineering. <i>Polymers</i> , 2019 , 11,	4.5	10
113	Electrospinning synthesis and assessment of physicochemical properties and biocompatibility of cobalt nitrate fibers for wound healing applications. <i>Anais Da Academia Brasileira De Ciencias</i> , 2019 , 91, e20180237	1.4	2
112	Electrospun polyurethane patch in combination with cedarwood and cobalt nitrate for cardiac applications. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 48226	2.9	6

111	Physicochemical assessment of tailor made fibrous polyurethane scaffolds incorporated with turmeric oil for wound healing applications. <i>International Journal of Polymer Analysis and Characterization</i> , 2019 , 24, 752-762	1.7	5
110	Enhanced mechanical, thermal and biocompatible nature of dual component electrospun nanocomposite for bone tissue engineering. <i>PeerJ</i> , 2019 , 7, e6986	3.1	6
109	Tailor-made multicomponent electrospun polyurethane nanofibrous composite scaffold comprising olive oil, honey, and propolis for bone tissue engineering. <i>Polymer Composites</i> , 2019 , 40, 2039-2050 ¹³	3.1	6
108	Development of advanced nanostructured polyurethane composites comprising hybrid fillers with enhanced properties for regenerative medicine. <i>Polymer Testing</i> , 2019 , 73, 12-20	4.5	9
107	Synthesis and luminescence properties of LiGd ₃ (MoO ₄) ₅ :Eu ³⁺ phosphors for white LED applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 2037-2044	2.1	4
106	Structural, morphological, enhanced magnetic properties and antibacterial bio-medical activity of rare earth element (REE) cerium (Ce ³⁺) doped CoFe ₂ O ₄ nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 476, 157-165	2.8	98
105	Enhanced Magneto-optical and Photocatalytic Properties of Ferromagnetic Mg _{1-x} Ni _x Fe ₂ O ₄ (0.0 ≤ x ≤ 1.0) Spinel Nano-ferrites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018 , 31, 3637-3647	1.5	30
104	Synthesis and luminescence properties of CaGd ₂ (MoO ₄) ₄ :Ln ³⁺ (Ln = Eu ³⁺ , Tb ³⁺ , Dy ³⁺ and Sm ³⁺) phosphors. <i>Journal of Luminescence</i> , 2018 , 199, 53-59	3.8	17
103	Sol-gel synthesis and luminescence properties of CaGd ₂ (MoO ₄) ₄ :Pr ³⁺ phosphors for white LED applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 8504-8511	2.1	3
102	Advanced nanofibrous textile-based dressing material for treating chronic wounds. <i>Bulletin of Materials Science</i> , 2018 , 41, 1	1.7	12
101	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. <i>Biosensors and Bioelectronics</i> , 2018 , 105, 236-242	11.8	44
100	Enhanced magneto-optical and photo-catalytic properties of transition metal cobalt (Co ²⁺ ions) doped spinel MgFe ₂ O ₄ ferrite nanocomposites. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 452, 380-388	2.8	128
99	Blood compatibility assessments of novel electrospun PVA/egg white nanocomposite membrane. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , 2018 , 7, 213-218	1.3	4
98	Fabrication and Testing of Electrospun Polyurethane Blended with Chitosan Nanoparticles for Vascular Graft Applications. <i>Cardiovascular Engineering and Technology</i> , 2018 , 9, 503-513	2.2	10
97	Morphological, thermal, and blood-compatible properties of electrospun nanocomposites for tissue engineering application. <i>Polymer Composites</i> , 2018 , 39, E132-E139	3	8
96	Preparation, characterization and blood compatibility assessment of a novel electrospun nanocomposite comprising polyurethane and ayurvedic-indhulekha oil for tissue engineering applications. <i>Biomedizinische Technik</i> , 2018 , 63, 245-253	1.3	18
95	Production and hemocompatibility assessment of novel electrospun polyurethane nanofibers loaded with dietary virgin coconut oil for vascular graft applications. <i>Journal of Bioactive and Compatible Polymers</i> , 2018 , 33, 210-223	2	6
94	Blood compatibility and physicochemical assessment of novel nanocomposite comprising polyurethane and dietary carotino oil for cardiac tissue engineering applications. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45691	2.9	21

93	Ultrasensitive and selective non-enzymatic electrochemical glucose sensor based on hybrid material of graphene nanosheets/graphene nanoribbons/nickel nanoparticle. <i>Materials Research Bulletin</i> , 2018 , 98, 300-307	5.1	28
92	Single stage electrospun multicomponent scaffold for bone tissue engineering application. <i>Polymer Testing</i> , 2018 , 70, 244-254	4.5	16
91	Electrospun polyurethane nanofibrous composite impregnated with metallic copper for wound-healing application. <i>3 Biotech</i> , 2018 , 8, 327	2.8	31
90	Polymer coatings for biocompatibility and reduced nonspecific adsorption 2018 , 155-198		3
89	Synthesis and Luminescence Properties of CaGd ₂ (MoO ₄) ₄ :Dy ³⁺ , Eu ³⁺ , Tm ³⁺ Phosphors for Warm White UV LEDs. <i>Journal of Electronic Materials</i> , 2018 , 47, 6210-6220	1.9	4
88	UV induced surface modification on improving the cytocompatibility of metallocene polyethylene. <i>Anais Da Academia Brasileira De Ciencias</i> , 2018 , 90, 195-204	1.4	4
87	Single-stage electrospun innovative combination of polyurethane and neem oil: Synthesis, characterization and appraisal of blood compatibility. <i>Journal of Bioactive and Compatible Polymers</i> , 2018 , 33, 573-584	2	10
86	Development and blood compatibility assessment of electrospun polyvinyl alcohol blended with metallocene polyethylene and plectranthus amboinicus (PVA/mPE/PA) for bone tissue engineering. <i>International Journal of Nanomedicine</i> , 2018 , 13, 2777-2788	7.3	21
85	Fabrication and characterisation of nanofibrous polyurethane scaffold incorporated with corn and neem oil using single stage electrospinning technique for bone tissue engineering applications. <i>Journal of Polymer Research</i> , 2018 , 25, 1	2.7	37
84	Enhanced Catalytic Activity, Facile Synthesis and Characterization Studies of Spinel Mn-Co Aluminate Nano-Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 1388-1395	1.3	7
83	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. <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 123, 76-86	3.9	9
82	Novel Synthesis and Characterization Studies of Spinel Ni Co Al _{1-x} O ₃ (x = 0.0 to 1.0) Nano-Catalysts for the Catalytic Oxidation of Benzyl Alcohol. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 1019-1028	1.3	19
81	Green-Synthesized Zinc Oxide Nanoparticles Decorated Nanofibrous Polyurethane Mesh Loaded with Virgin Coconut Oil for Tissue Engineering Application. <i>Current Nanoscience</i> , 2018 , 14, 280-289	1.4	8
80	Synthesis, luminescent properties and energy transfer in Tb ³⁺ and Eu ³⁺ co-doped Li ₃ Ba ₂ Gd ₃ (MoO ₄) ₈ phosphors for W-LEDs. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 2363-2371	1.1	4
79	Engineering electrospun multicomponent polyurethane scaffolding platform comprising grapeseed oil and honey/propolis for bone tissue regeneration. <i>PLoS ONE</i> , 2018 , 13, e0205699	3.7	30
78	Blood compatibility investigation of nanofibrous PU/copper nanoparticles/avocado membrane. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , 2018 , 7, 238-248	1.3	2
77	Comparative Study of Structural, Morphological, Magneto-Optical and Photo-Catalytic Properties of Magnetically Reusable Spinel MnFe ₂ O ₄ Nano-Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 3523-3531	1.3	48
76	A comparative analysis of EMD based filtering methods for 50 Hz noise cancellation in ECG signal. <i>Informatics in Medicine Unlocked</i> , 2017 , 8, 54-59	5.3	20

75	Formation of functional nanofibrous electrospun polyurethane and murivenna oil with improved haemocompatibility for wound healing. <i>Polymer Testing</i> , 2017 , 61, 106-113	4.5	51
74	Protic Ionic Liquid Assisted Synthesis and Characterization of Ferromagnetic Cobalt Oxide Nanocatalyst. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017 , 27, 446-454	3.2	19
73	Hydrothermal synthesis, characterization and luminescence properties of CaGd ₂ (MoO ₄) ₄ :Eu ³⁺ ovoid like structures. <i>New Journal of Chemistry</i> , 2017 , 41, 14977-14984	3.6	11
72	Surface, thermal and hemocompatible properties of novel single stage electrospun nanocomposites comprising polyurethane blended with bio oilTM. <i>Anais Da Academia Brasileira De Ciencias</i> , 2017 , 89, 2411-2422	1.4	2
71	Atmospheric pressure non-thermal plasma assisted polymerization of poly (ethylene glycol) methylether methacrylate (PEGMA) on low density polyethylene (LDPE) films for enhancement of biocompatibility. <i>Surface and Coatings Technology</i> , 2017 , 329, 55-67	4.4	12
70	Fabrication and characterization of chitosan nanoparticles and collagen-loaded polyurethane nanocomposite membrane coated with heparin for atrial septal defect (ASD) closure. <i>3 Biotech</i> , 2017 , 7, 174	2.8	5
69	Engineered electrospun polyurethane and castor oil nanocomposite scaffolds for cardiovascular applications. <i>Journal of Materials Science</i> , 2017 , 52, 10673-10685	4.3	29
68	Rare earth element (REE) lanthanum doped zinc oxide (La: ZnO) nanomaterials: Synthesis structural optical and antibacterial studies. <i>Journal of Alloys and Compounds</i> , 2017 , 723, 1155-1161	5.7	166
67	Novel Synthesis of Spinel Mn _x Co _{1-x} Al ₂ O ₄ (x = 0.0 to 1.0) Nanocatalysts: Effect of Mn ²⁺ Doping on Structural, Morphological, and Opto-Magnetic Properties. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017 , 30, 691-699	1.5	44
66	Hemocompatibility of Sulfuric Acid-Treated Metallocene Polyethylene and its Application in Reducing the Quantity of Medical Plastic Waste. <i>Polymer-Plastics Technology and Engineering</i> , 2017 , 56, 240-253		1
65	Manufacturing and Characterization of Novel Electrospun Composite Comprising Polyurethane and Mustard Oil Scaffold with Enhanced Blood Compatibility. <i>Polymers</i> , 2017 , 9,	4.5	24
64	Microwave-Assisted Dip Coating of Aloe Vera on Metallocene Polyethylene Incorporated with Nano-Rods of Hydroxyapatite for Bone Tissue Engineering. <i>Coatings</i> , 2017 , 7, 182	2.9	6
63	Simple Precipitation Synthesis, Characterization and Antibacterial Activity of Mn-Doped ZnO Nanoparticles. <i>Advanced Science, Engineering and Medicine</i> , 2017 , 9, 483-488	0.6	17
62	Enhanced Opto-Magneto Properties of Ni _x Mg _{1-x} Fe ₂ O ₄ (0.0 ≤ x ≤ 1.0) Ferrites Nano-Catalysts. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2017 , 12, 1326-1333	1.3	58
61	An Insight into the Putative Role of Vitamins Like Honey and its Polyphenols in Breast Cancer. <i>Current Science</i> , 2017 , 112, 1839	2.2	5
60	Folic Acid Decorated Chitosan Nanoparticles and its Derivatives for the Delivery of Drugs and Genes to Cancer Cells. <i>Current Science</i> , 2017 , 113, 1530	2.2	19
59	Cancer-related fatigue treatment: An overview. <i>Journal of Cancer Research and Therapeutics</i> , 2017 , 13, 916-929	1.2	29
58	Electrospinning applications from diagnosis to treatment of diabetes. <i>RSC Advances</i> , 2016 , 6, 83638-83657	5.7	38

57	Cervicarel induces apoptosis in HeLa and CaSki cells through ROS production and loss of mitochondrial membrane potential. <i>RSC Advances</i> , 2016 , 6, 24391-24417	3.7	10
56	On-Demand Guided Bone Regeneration with Microbial Protection of Ornamented SPU Scaffold with Bismuth-Doped Single Crystalline Hydroxyapatite: Augmentation and Cartilage Formation. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 4086-100	9.5	30
55	Diacerein-mediated inhibition of IL-6/IL-6R signaling induces apoptotic effects on breast cancer. <i>Oncogene</i> , 2016 , 35, 3965-75	9.2	38
54	Selective Catalytic Oxidation of Benzyl Alcohol and Characterization Studies of Spinel MnAl ₂ O ₄ Nanoparticles by a Facile Synthesis Route. <i>Nanoscience and Nanotechnology Letters</i> , 2016 , 8, 434-437	0.8	7
53	One-Pot Combustion Synthesis and Characterization Studies of Spinel CoAl ₂ O ₄ Nano-Catalysts. <i>Nanoscience and Nanotechnology Letters</i> , 2016 , 8, 424-427	0.8	9
52	Sol-Gel Synthesis and Characterization Studies of NiMoO ₄ Nanostructures for Photocatalytic Degradation of Methylene Blue Dye. <i>Nanoscience and Nanotechnology Letters</i> , 2016 , 8, 438-443	0.8	27
51	Natural Frequency of Cancer Cells as a Starting Point in Cancer Treatment. <i>Current Science</i> , 2016 , 110, 1828	2.2	4
50	Surface Modification of Titanium and its Alloys for the Enhancement of Osseointegration in Orthopaedics. <i>Current Science</i> , 2016 , 111, 1003	2.2	39
49	Gallic acid induced apoptotic events in HCT-15 colon cancer cells. <i>World Journal of Gastroenterology</i> , 2016 , 22, 3952-61	5.6	46
48	Unravelling the potential of nitric acid as a surface modifier for improving the hemocompatibility of metallocene polyethylene for blood contacting devices. <i>PeerJ</i> , 2016 , 4, e1388	3.1	8
47	Antioxidant Activity and ROS-Dependent Apoptotic Effect of <i>Scurrula ferruginea</i> (Jack) Danser Methanol Extract in Human Breast Cancer Cell MDA-MB-231. <i>PLoS ONE</i> , 2016 , 11, e0158942	3.7	27
46	Fabrication and hemocompatibility assessment of novel polyurethane-based bio-nanofibrous dressing loaded with honey and <i>Carica papaya</i> extract for the management of burn injuries. <i>International Journal of Nanomedicine</i> , 2016 , 11, 4339-55	7.3	64
45	Honey and its Phytochemicals: Plausible Agents in Combating Colon Cancer through its Diversified Actions. <i>Journal of Food Biochemistry</i> , 2016 , 40, 613-629	3.3	11
44	Novel green surface modification of metallocene polyethylene by steam to enhance its hemocompatible properties. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	1
43	Nanomaterials as a game changer in the management and treatment of diabetic foot ulcers. <i>RSC Advances</i> , 2016 , 6, 114859-114878	3.7	38
42	Spinel Ni _{1-x} Zn _x Fe ₂ O ₄ (0.0 ≤ x ≤ 1.0) nano-photocatalysts: Synthesis, characterization and photocatalytic degradation of methylene blue dye. <i>Journal of Molecular Structure</i> , 2016 , 1119, 39-47	3.4	129
41	Recent trends in nano-based drug delivery systems for efficient delivery of phytochemicals in chemotherapy. <i>RSC Advances</i> , 2016 , 6, 48294-48314	3.7	75
40	Enhanced Catalytic Activity and Magnetic Properties of Spinel Mn _{1-x} Zn _x Fe ₂ O ₄ (0.0 ≤ x ≤ 1.0) Nano-Photocatalysts by Microwave Irradiation Route. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016 , 29, 2141-2149	1.5	59

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| 39 | An insight on electrospun-nanofibers-inspired modern drug delivery system in the treatment of deadly cancers. <i>RSC Advances</i> , 2015 , 5, 57984-58004 | 3.7 | 72 |
| 38 | Novel CuO/chitosan nanocomposite thin film: facile hand-picking recoverable, efficient and reusable heterogeneous photocatalyst. <i>RSC Advances</i> , 2015 , 5, 57493-57501 | 3.7 | 82 |
| 37 | Gallic acid: prospects and molecular mechanisms of its anticancer activity. <i>RSC Advances</i> , 2015 , 5, 35608-35621 | 3.7 | 55 |
| 36 | Review: physico-chemical modification as a versatile strategy for the biocompatibility enhancement of biomaterials. <i>RSC Advances</i> , 2015 , 5, 39232-39244 | 3.7 | 51 |
| 35 | Overview on in vitro and in vivo investigations of nanocomposite based cancer diagnosis and therapeutics. <i>RSC Advances</i> , 2015 , 5, 72638-72652 | 3.7 | 16 |
| 34 | Synthesis and Characterization of Novel Polycarbonate Based Polyurethane/Polymer Wrapped Hydroxyapatite Nanocomposites: Mechanical Properties, Osteoconductivity and Biocompatibility. <i>Journal of Biomedical Nanotechnology</i> , 2015 , 11, 291-305 | 4 | 27 |
| 33 | Biomaterials based nano-applications of Aloe vera and its perspective: a review. <i>RSC Advances</i> , 2015 , 5, 86199-86213 | 3.7 | 35 |
| 32 | Review: unraveling the less explored flocking technology for tissue engineering scaffolds. <i>RSC Advances</i> , 2015 , 5, 73225-73240 | 3.7 | 9 |
| 31 | Prospects of common biomolecules as coating substances for polymeric biomaterials. <i>RSC Advances</i> , 2015 , 5, 69660-69679 | 3.7 | 18 |
| 30 | Tangible nanocomposites with diverse properties for heart valve application. <i>Science and Technology of Advanced Materials</i> , 2015 , 16, 033504 | 7.1 | 10 |
| 29 | Review: Radiation-induced surface modification of polymers for biomaterial application. <i>Journal of Materials Science</i> , 2015 , 50, 2007-2018 | 4.3 | 49 |
| 28 | Carbon nanotubes and graphene as emerging candidates in neuroregeneration and neurodrug delivery. <i>International Journal of Nanomedicine</i> , 2015 , 10, 4267-77 | 7.3 | 48 |
| 27 | Microwave-assisted fibrous decoration of mPE surface utilizing Aloe vera extract for tissue engineering applications. <i>International Journal of Nanomedicine</i> , 2015 , 10, 5909-23 | 7.3 | 8 |
| 26 | Multifaceted prospects of nanocomposites for cardiovascular grafts and stents. <i>International Journal of Nanomedicine</i> , 2015 , 10, 2785-803 | 7.3 | 16 |
| 25 | Estimation and Comparison of Natural Frequency of Coronary Metallic Stents using Modal Analysis. <i>Indian Journal of Science and Technology</i> , 2015 , 8, | 1 | 2 |
| 24 | Evaluation of cardiac signals using discrete wavelet transform with MATLAB graphical user interface. <i>Indian Heart Journal</i> , 2015 , 67, 549-51 | 1.6 | 7 |
| 23 | A review on antiproliferative and apoptotic activities of natural honey. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2015 , 15, 48-56 | 2.2 | 23 |
| 22 | Evaluation of selected honey and one of its phenolic constituent eugenol against L1210 lymphoid leukemia. <i>Scientific World Journal, The</i> , 2014 , 2014, 912051 | 2.2 | 5 |

21	Enhanced blood compatibility of metallocene polyethylene subjected to hydrochloric acid treatment for cardiovascular implants. <i>BioMed Research International</i> , 2014 , 2014, 963149	3	9
20	Preclinical and clinical effects of mistletoe against breast cancer. <i>BioMed Research International</i> , 2014 , 2014, 785479	3	54
19	Role of pomegranate and citrus fruit juices in colon cancer prevention. <i>World Journal of Gastroenterology</i> , 2014 , 20, 4618-25	5.6	46
18	Biomaterials in cardiovascular research: applications and clinical implications. <i>BioMed Research International</i> , 2014 , 2014, 459465	3	76
17	Chemopreventive effect of apple and berry fruits against colon cancer. <i>World Journal of Gastroenterology</i> , 2014 , 20, 17029-36	5.6	34
16	Microwave-assisted surface modification of metallocene polyethylene for improving blood compatibility. <i>BioMed Research International</i> , 2013 , 2013, 253473	3	15
15	Effect of Mangiferin and Mahanimbine on Glucose Utilization in 3T3-L1 cells. <i>Pharmacognosy Magazine</i> , 2013 , 9, 72-5	0.8	27
14	Events associated with apoptotic effect of p-Coumaric acid in HCT-15 colon cancer cells. <i>World Journal of Gastroenterology</i> , 2013 , 19, 7726-34	5.6	101
13	Growth inhibition by caffeic acid, one of the phenolic constituents of honey, in HCT 15 colon cancer cells. <i>Scientific World Journal, The</i> , 2012 , 2012, 372345	2.2	40
12	Antiproliferative and molecular mechanism of eugenol-induced apoptosis in cancer cells. <i>Molecules</i> , 2012 , 17, 6290-304	4.8	127
11	Can flavonoids from honey alter multidrug resistance?. <i>Medical Hypotheses</i> , 2011 , 76, 535-7	3.8	17
10	Apoptotic effect of eugenol in human colon cancer cell lines. <i>Cell Biology International</i> , 2011 , 35, 607-15	4.5	115
9	Effect of honey and eugenol on Ehrlich ascites and solid carcinoma. <i>Journal of Biomedicine and Biotechnology</i> , 2010 , 2010, 989163		49
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