

Kunal Pal

List of Publications by Year in descending order

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245
papers

5,398
citations

81839

39
h-index

118793

62
g-index

250
all docs

250
docs citations

250
times ranked

5678
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and characterization of polyvinyl alcohol-gelatin hydrogel membranes for biomedical applications. <i>AAPS PharmSciTech</i> , 2007, 8, E142-E146.	1.5	308
2	Calcium alginate-carboxymethyl cellulose beads for colon-targeted drug delivery. <i>International Journal of Biological Macromolecules</i> , 2015, 75, 409-417.	3.6	192
3	IoT-Based Applications in Healthcare Devices. <i>Journal of Healthcare Engineering</i> , 2021, 2021, 1-18.	1.1	173
4	Development of pH sensitive polyacrylamide grafted pectin hydrogel for controlled drug delivery system. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 2247-2253.	1.7	121
5	Preparation and characterization of novel carbopol based bigels for topical delivery of metronidazole for the treatment of bacterial vaginosis. <i>Materials Science and Engineering C</i> , 2014, 44, 151-158.	3.8	120
6	Guar gum and sesame oil based novel bigels for controlled drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 582-592.	2.5	119
7	Effect of flaxseed gum on reduction of blood glucose and cholesterol in type 2 diabetic patients. <i>International Journal of Food Sciences and Nutrition</i> , 2009, 60, 126-136.	1.3	111
8	Cobalt doped proangiogenic hydroxyapatite for bone tissue engineering application. <i>Materials Science and Engineering C</i> , 2016, 58, 648-658.	3.8	110
9	Gelatin/Carboxymethyl chitosan based scaffolds for dermal tissue engineering applications. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 1499-1506.	3.6	104
10	Environment sensitive hydrogels for drug delivery applications. <i>European Polymer Journal</i> , 2019, 120, 109220.	2.6	103
11	Improving the osteogenic and angiogenic properties of synthetic hydroxyapatite by dual doping of bivalent cobalt and magnesium ion. <i>Ceramics International</i> , 2015, 41, 11323-11333.	2.3	90
12	Stearate organogel-gelatin hydrogel based bigels: Physicochemical, thermal, mechanical characterizations and in vitro drug delivery applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 43, 1-17.	1.5	87
13	Development of Porous Hydroxyapatite Scaffolds. <i>Materials and Manufacturing Processes</i> , 2006, 21, 325-328.	2.7	79
14	Biomedical evaluation of polyvinyl alcohol-gelatin esterified hydrogel for wound dressing. <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 1889-1894.	1.7	74
15	Development of carboxymethyl cellulose acrylate for various biomedical applications. <i>Biomedical Materials (Bristol)</i> , 2006, 1, 85-91.	1.7	66
16	A Review on the Nonlinear Dynamical System Analysis of Electrocardiogram Signal. <i>Journal of Healthcare Engineering</i> , 2018, 2018, 1-19.	1.1	65
17	Effect of heat treatment of starch on the properties of the starch hydrogels. <i>Materials Letters</i> , 2008, 62, 215-218.	1.3	62
18	Castor oil and sorbitan monopalmitate based organogel as a probable matrix for controlled drug delivery. <i>Journal of Applied Polymer Science</i> , 2013, 130, 1503-1515.	1.3	62

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19	Carrageenan: A Wonder Polymer from Marine Algae for Potential Drug Delivery Applications. <i>Current Pharmaceutical Design</i> , 2019, 25, 1172-1186.	0.9	62
20	Enhanced Multiobjective Evolutionary Algorithm Based on Decomposition for Solving the Unit Commitment Problem. <i>IEEE Transactions on Industrial Informatics</i> , 2015, 11, 1346-1357.	7.2	61
21	Essential Oil-Containing Polysaccharide-Based Edible Films and Coatings for Food Security Applications. <i>Polymers</i> , 2021, 13, 575.	2.0	60
22	Development and Characterization of Sorbitan Monostearate and Sesame Oil-Based Organogels for Topical Delivery of Antimicrobials. <i>AAPS PharmSciTech</i> , 2015, 16, 293-305.	1.5	59
23	Polyvinyl Alcohol-Gelatin Patches of Salicylic Acid: Preparation, Characterization and Drug Release Studies. <i>Journal of Biomaterials Applications</i> , 2006, 21, 75-91.	1.2	57
24	A Fuzzy Rule-Based Penalty Function Approach for Constrained Evolutionary Optimization. <i>IEEE Transactions on Cybernetics</i> , 2016, 46, 2953-2965.	6.2	57
25	Olive oil based novel thermo-reversible emulsion hydrogels for controlled delivery applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 703-721.	1.7	56
26	Physical and mechanical properties of sunflower oil and synthetic polymers based bigels for the delivery of nitroimidazole antibiotic – A therapeutic approach for controlled drug delivery. <i>European Polymer Journal</i> , 2015, 64, 253-264.	2.6	55
27	Fabrication of curcumin-loaded folic acid-tagged metal organic framework for triple negative breast cancer therapy in <i>in vitro</i> and <i>in vivo</i> systems. <i>New Journal of Chemistry</i> , 2019, 43, 217-229.	1.4	54
28	Synthesis and characterization of tamarind kernel powder-based antimicrobial edible films loaded with geraniol. <i>Food Packaging and Shelf Life</i> , 2020, 26, 100562.	3.3	54
29	Crosslinking of gelatin-based drug carriers by genipin induces changes in drug kinetic profiles in vitro. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 115-123.	1.7	52
30	Review on Encapsulation of Vegetable Oils: Strategies, Preparation Methods, and Applications. <i>Polymer-Plastics Technology and Engineering</i> , 2016, 55, 291-311.	1.9	51
31	Novel agar-stearyl alcohol oleogel-based bigels as structured delivery vehicles. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2017, 66, 669-678.	1.8	51
32	Development of porous ultra high molecular weight polyethylene scaffolds for the fabrication of orbital implant. <i>Journal of Porous Materials</i> , 2008, 15, 53-59.	1.3	50
33	Development of olive oil based organogels using sorbitan monopalmitate and sorbitan monostearate: A comparative study. <i>Journal of Applied Polymer Science</i> , 2013, 129, 793-805.	1.3	49
34	Characterization of gelatin-agar based phase separated hydrogel, emulgel and bigel: a comparative study. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 118.	1.7	49
35	Hydrogel-Based Controlled Release Formulations: Designing Considerations, Characterization Techniques and Applications. <i>Polymer-Plastics Technology and Engineering</i> , 2013, 52, 1391-1422.	1.9	48
36	Bacterial vaginosis: Etiology and modalities of treatment-A brief note. <i>Journal of Pharmacy and Bioallied Sciences</i> , 2011, 3, 496.	0.2	46

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37	Effect of Span 60 on the Microstructure, Crystallization Kinetics, and Mechanical Properties of Stearic Acid Oleogels: An In-Depth Analysis. <i>Journal of Food Science</i> , 2016, 81, E380-7.	1.5	43
38	Synthesis and characterization of polyvinyl alcohol- carboxymethyl tamarind gum based composite films. <i>Carbohydrate Polymers</i> , 2017, 165, 159-168.	5.1	43
39	Gum tragacanth- alginate beads as proangiogenic- osteogenic cell encapsulation systems for bone tissue engineering. <i>Journal of Materials Chemistry B</i> , 2017, 5, 4177-4189.	2.9	43
40	Characteristics of sourdough bread fermented with <i>Pediococcus pentosaceus</i> and <i>Saccharomyces cerevisiae</i> and its bio-preservative effect against <i>Aspergillus flavus</i> . <i>Food Chemistry</i> , 2021, 345, 128787.	4.2	43
41	Development of Bigels Based on Stearic Acid- Rice Bran Oil Oleogels and Tamarind Gum Hydrogels for Controlled Delivery Applications. <i>Journal of Surfactants and Detergents</i> , 2018, 21, 17-29.	1.0	42
42	Modulating the physical properties of sunflower oil and sorbitan monopalmitate- based organogels. <i>Journal of Applied Polymer Science</i> , 2013, 127, 4910-4917.	1.3	41
43	Mechanical properties and delivery of drug/probiotics from starch and non- starch based novel bigels: A comparative study. <i>Starch/Staerke</i> , 2014, 66, 865-879.	1.1	41
44	Silanization improves biocompatibility of graphene oxide. <i>Materials Science and Engineering C</i> , 2020, 110, 110647.	3.8	41
45	Nanoclay-based active food packaging systems: A review. <i>Food Packaging and Shelf Life</i> , 2022, 31, 100803.	3.3	41
46	Development of EOG based human machine interface control system for motorized wheelchair. , 2014, , .		40
47	Development and characterization of gelatin- based hydrogels, emulsion hydrogels, and bigels: A comparative study. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	39
48	Alginate Bead Based Hexagonal Close Packed 3D Implant for Bone Tissue Engineering. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32132-32145.	4.0	37
49	Gelatin-Based Emulsion Gels for Diffusion-Controlled Release Applications. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012, 23, 645-661.	1.9	36
50	Effect of sorbitan monostearate concentration on the thermal, mechanical and drug release properties of oleogels. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 1720-1727.	1.2	36
51	Chitosan Based Delivery Systems on a Length Scale: Nano to Macro. <i>Soft Materials</i> , 2013, 11, 125-142.	0.8	35
52	Development of an ultrasonic cane as a navigation aid for the blind people. , 2014, , .		34
53	Magnetic nanoparticle incorporated oleogel as iontophoretic drug delivery system. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 157, 118-129.	2.5	34
54	Polyvinyl alcohol- glycine composite membranes: preparation, characterization, drug release and cytocompatibility studies. <i>Biomedical Materials (Bristol)</i> , 2006, 1, 49-55.	1.7	33

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55	Reinforcing effect of graphene oxide reinforcement on the properties of poly (vinyl alcohol) and carboxymethyl tamarind gum based phase-separated film. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 81, 61-71.	1.5	33
56	Development of span 80-tween 80 based fluid-filled organogels as a matrix for drug delivery. <i>Journal of Pharmacy and Bioallied Sciences</i> , 2012, 4, 155.	0.2	32
57	Dynamic Constrained Optimization with offspring repair based Gravitational Search Algorithm. , 2013, , .		32
58	Effect of mechanical and electrical behavior of gelatin hydrogels on drug release and cell proliferation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 53, 174-186.	1.5	32
59	Sunflower Oil and Protein-based Novel Bigels as Matrices for Drug Delivery Applicationsâ€”Characterization and <i>in vitro</i> Antimicrobial Efficiency. <i>Polymer-Plastics Technology and Engineering</i> , 2015, 54, 837-850.	1.9	31
60	Natural gum modified emulsion gel as single carrier for the oral delivery of probiotic-drug combination. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 504-514.	3.6	31
61	Effect of Tween 20 on the Properties of Stearate Oleogels: an inâ€”Depth Analysis. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2016, 93, 711-719.	0.8	31
62	Mango Butter Emulsion Gels as Cocoa Butter Equivalents: Physical, Thermal, and Mechanical Analyses. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 11357-11368.	2.4	30
63	Characterization of Tri-Phasic Edible Films from Chitosan, Guar Gum, and Whey Protein Isolate Loaded with Plant-Based Antimicrobial Compounds. <i>Polymer-Plastics Technology and Materials</i> , 2019, 58, 255-269.	0.6	30
64	Cobalt doped nano-hydroxyapatite incorporated gum tragacanth-alginate beads as angiogenic-osteogenic cell encapsulation system for mesenchymal stem cell based bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2021, 179, 101-115.	3.6	30
65	Synthesis of novel poly (vinyl alcohol)/tamarind gum/bentonite-based composite films for drug delivery applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 613, 126043.	2.3	28
66	Development and Characterization of Soy Lecithin and Palm Oil-based Organogels. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 865-879.	1.9	27
67	Development of soy lecithin based novel self-assembled emulsion hydrogels. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 55, 250-263.	1.5	27
68	Internet of Things and Robotics in Transforming Current-Day Healthcare Services. <i>Journal of Healthcare Engineering</i> , 2021, 2021, 1-15.	1.1	27
69	Lanolinâ€”based organogels as a matrix for topical drug delivery. <i>Journal of Applied Polymer Science</i> , 2013, 128, 3831-3839.	1.3	25
70	Selected Applications of Chitosan Composites. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10968.	1.8	25
71	Encapsulation of vegetable organogels for controlled delivery applications. <i>Designed Monomers and Polymers</i> , 2013, 16, 366-376.	0.7	24
72	Palm oilâ€”based organogels and microemulsions for delivery of antimicrobial drugs. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	24

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73	Synthesis, characterization, and antimicrobial efficacy of composite films from guar gum/sago starch/whey protein isolate loaded with carvacrol, citral and carvacrol-citral mixture. <i>Journal of Materials Science: Materials in Medicine</i> , 2019, 30, 117.	1.7	24
74	Development of ionic and non-ionic natural gum-based bigels: Prospects for drug delivery application. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	23
75	Substrate stiffness does affect the fate of human keratinocytes. <i>RSC Advances</i> , 2016, 6, 3539-3551.	1.7	23
76	Stearic Acid Modified Stearyl Alcohol Oleogel: Analysis of the Thermal, Mechanical and Drug Release Properties. <i>Journal of Surfactants and Detergents</i> , 2017, 20, 851-861.	1.0	23
77	Green synthesized amino-PEGylated silver decorated graphene nanoplatform as a tumor-targeted controlled drug delivery system. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	23
78	Reinforcing the inner phase of the filled hydrogels with CNTs alters drug release properties and human keratinocyte morphology: A study on the gelatin- tamarind gum filled hydrogels. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 75, 538-548.	1.5	22
79	Core-shell-type organogel-alginate hybrid microparticles: A controlled delivery vehicle. <i>Chemical Engineering Journal</i> , 2015, 264, 134-145.	6.6	21
80	Preparation of Novel pH-Sensitive Hydrogels of Carboxymethyl Cellulose Acrylates: A Comparative Study. <i>Materials and Manufacturing Processes</i> , 2006, 21, 877-882.	2.7	20
81	Development and characterization of gelatin-tamarind gum/carboxymethyl tamarind gum based phase-separated hydrogels: a comparative study. <i>Designed Monomers and Polymers</i> , 2015, 18, 434-450.	0.7	20
82	Effect of Biodegradable Hydrophilic and Hydrophobic Emulsifiers on the Oleogels Containing Sunflower Wax and Sunflower Oil. <i>Gels</i> , 2021, 7, 133.	2.1	20
83	Contrasting diversity of vaginal lactobacilli among the females of Northeast India. <i>BMC Microbiology</i> , 2019, 19, 198.	1.3	19
84	Biopolymers in Controlled-Release Delivery Systems. , 2009, , 519-557.		18
85	Anti-cariogenic Characteristics of Rubusoside. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 282-287.	1.4	18
86	Polysaccharide-Based Nanocomposites for Food Packaging Applications. <i>Materials</i> , 2021, 14, 5549.	1.3	18
87	Biopolymers in Controlled-Release Delivery Systems. , 2013, , 329-363.		17
88	Evaluation of poly(L-lactide) and chitosan composite scaffolds for cartilage tissue regeneration. <i>Designed Monomers and Polymers</i> , 2016, 19, 271-282.	0.7	17
89	Preparation, Characterization and Assessment of the Novel Gelatin-tamarind Gum/Carboxymethyl Tamarind Gum-Based Phase-Separated Films for Skin Tissue Engineering Applications. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 141-152.	1.9	17
90	Fermented Wild Ginseng by <i>Rhizopus oligosporus</i> Improved l-Carnitine and Ginsenoside Contents. <i>Molecules</i> , 2020, 25, 2111.	1.7	17

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91	Advanced X-ray shielding and antibacterial smart multipurpose fabric impregnated with polygonal shaped bismuth oxide nanoparticles in carbon nanotubes via green synthesis. <i>Green Chemistry Letters and Reviews</i> , 2021, 14, 272-285.	2.1	17
92	Variations in Microstructural and Physicochemical Properties of Candelilla Wax/Rice Bran Oil-Derived Oleogels Using Sunflower Lecithin and Soya Lecithin. <i>Gels</i> , 2021, 7, 226.	2.1	17
93	Gelatin-carbohydrate phase-separated hydrogels as bioactive carriers in vaginal delivery: Preparation and physical characterizations. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	16
94	Modulating the properties of sunflower oil based novel emulgels using castor oil fatty acid ester: Prospects for topical antimicrobial drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 128, 155-164.	2.5	16
95	Understanding the effect of functionalized carbon nanotubes on the properties of tamarind gum hydrogels. <i>Polymer Bulletin</i> , 2018, 75, 4929-4945.	1.7	16
96	Doxorubicin Loaded Green Synthesized Nanoceria Decorated Functionalized Graphene Nanocomposite for Cancer-Specific Drug Release. <i>Journal of Cluster Science</i> , 2019, 30, 1565-1582.	1.7	16
97	Upconversion nanoparticle incorporated oleogel as probable skin tissue imaging agent. <i>Chemical Engineering Journal</i> , 2020, 379, 122272.	6.6	16
98	Transdermal Delivery of Gold Nanoparticles by a Soybean Oil-Based Oleogel under Iontophoresis. <i>ACS Applied Bio Materials</i> , 2020, 3, 7029-7039.	2.3	16
99	Fabrication and Characterization of Poly (vinyl alcohol) and Chitosan Oligosaccharide-Based Blend Films. <i>Gels</i> , 2021, 7, 55.	2.1	16
100	Synthesis and characterization of novel tamarind gum and rice bran oil-based emulgels for the ocular delivery of antibiotics. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 1608-1620.	3.6	15
101	Gelatin-Based Emulsion Hydrogels as a Matrix for Controlled Delivery System. <i>Materials and Manufacturing Processes</i> , 2012, 27, 1221-1228.	2.7	14
102	Development of a low-cost food color monitoring system. <i>Color Research and Application</i> , 2021, 46, 430-445.	0.8	14
103	MEMS-Based Controlled Drug Delivery Systems: A Short Review. <i>Polymer-Plastics Technology and Engineering</i> , 2016, 55, 965-975.	1.9	13
104	Preparation and characterization of cocoa butter and whey protein isolate based emulgels for pharmaceutical and probiotics delivery applications. <i>Journal of Dispersion Science and Technology</i> , 2020, 41, 426-440.	1.3	13
105	Gum-based hydrogels in drug delivery. , 2020, , 605-645.		13
106	Groundnut oil based emulsion gels for passive and iontophoretic delivery of therapeutics. <i>Designed Monomers and Polymers</i> , 2016, 19, 297-308.	0.7	12
107	Preparation and characterization of novel tamarind gum-based hydrogels for antimicrobial drug delivery applications. <i>Chemical Papers</i> , 2018, 72, 2101-2113.	1.0	12
108	Enhancement of neuroprotection, antioxidant capacity, and water-solubility of crocins by transglucosylation using dextranucrase under high hydrostatic pressure. <i>Enzyme and Microbial Technology</i> , 2020, 140, 109630.	1.6	12

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109	Phytochemical properties and functional characteristics of wild turmeric (<i>Curcuma aromatica</i>) fermented with <i>Rhizopus oligosporus</i> . <i>Food Chemistry: X</i> , 2022, 13, 100198.	1.8	12
110	Functional electrical stimulation using voluntary eyeblink for foot drop correction. , 2013, , .		11
111	Differential Evolution and Offspring Repair Method Based Dynamic Constrained Optimization. <i>Lecture Notes in Computer Science</i> , 2013, , 298-309.	1.0	11
112	Artificial intelligence based classification of menstrual phases in amenorrheic young females from ECG signals. , 2013, , .		11
113	Development of wireless EMG control system for rehabilitation devices. , 2014, , .		11
114	Encapsulation of Sorbitan Ester-Based Organogels in Alginate Microparticles. <i>AAPS PharmSciTech</i> , 2014, 15, 1197-1208.	1.5	11
115	Gelatin and amylopectin-based phase-separated hydrogels: An in-depth analysis of the swelling, mechanical, electrical and drug release properties. <i>Iranian Polymer Journal (English Edition)</i> , 2016, 25, 799-810.	1.3	11
116	The Internet of Things in Geriatric Healthcare. <i>Journal of Healthcare Engineering</i> , 2021, 2021, 1-16.	1.1	11
117	Understanding the Effect of Tamarind Gum Proportion on the Properties of Tamarind Gum-Based Hydroethanolic Physical Hydrogels. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 540-547.	1.9	10
118	Bigels. , 2018, , 265-282.		10
119	Graphene oxide reinforced nanocomposite oleogels improves corneal permeation of drugs. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 60, 102024.	1.4	10
120	Analysis of heart rate variability to understand the effect of cannabis consumption on Indian male paddy-field workers. <i>Biomedical Signal Processing and Control</i> , 2020, 62, 102072.	3.5	10
121	Gum tragacanth modified nano-hydroxyapatite: An angiogenic- osteogenic biomaterial for bone tissue engineering. <i>Ceramics International</i> , 2022, 48, 14672-14683.	2.3	10
122	Differential evolution based score level fusion for multi-modal biometric systems. , 2014, , .		9
123	Synthesis and characterization of novel dual environment-responsive hydrogels of Hydroxyethyl methacrylate and Methyl cellulose. <i>Designed Monomers and Polymers</i> , 2015, 18, 367-377.	0.7	9
124	Evaluation extracellular matrix- chitosan composite films for wound healing application. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 220.	1.7	9
125	Pyrazoloanthrone-functionalized fluorescent copolymer for the detection and rapid analysis of nitroaromatics. <i>Materials Chemistry Frontiers</i> , 2021, 5, 238-248.	3.2	9
126	Automated Neural Network Based Classification of HRV and ECG Signals of Smokers: A Preliminary Study. <i>Lecture Notes in Bioengineering</i> , 2015, , 271-279.	0.3	9

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127	Some Common Antidiabetic Plants of the Indian Subcontinent. Food Reviews International, 2010, 26, 364-385.	4.3	8
128	Ultrasonication-Assisted Preparation and Characterization of Emulsions and Emulsion Gels for Topical Drug Delivery. Journal of Pharmaceutical Sciences, 2015, 104, 1035-1044.	1.6	8
129	Effect of Cannabis consumption on ANS and conduction pathway of heart of Indian paddy field workers. , 2016, , .		8
130	Acquisition and classification of EMG using a dual-channel EMG biopotential amplifier for controlling assistive devices. , 2016, , .		8
131	Texture- and deformability-based surface recognition by tactile image analysis. Medical and Biological Engineering and Computing, 2016, 54, 1269-1283.	1.6	8
132	Oleogels Based on Palmitic Acid and Safflower Oil: Novel Formulations for Ocular Drug Delivery of Voriconazole. European Journal of Lipid Science and Technology, 2020, 122, 1900288.	1.0	8
133	Effect of carboxylated carbon nanotubes on physicochemical and drug release properties of oleogels. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125695.	2.3	8
134	Analysis of the Physical and Structure Characteristics of Reformulated Pizza Bread. Foods, 2022, 11, 1979.	1.9	8
135	Development of a wireless voice control system for rehabilitative devices. , 2014, , .		7
136	Hydrogels for biomedical applications: a short review. Journal of Materials Science: Materials in Medicine, 2014, 25, 2215-2215.	1.7	7
137	Development of mustard oil- and groundnut oil-based span 40 organogels as matrices for controlled drug delivery. Designed Monomers and Polymers, 2014, 17, 545-556.	0.7	7
138	Genipin-Crosslinked Gelatin-Based Emulgels: an Insight into the Thermal, Mechanical, and Electrical Studies. AAPS PharmSciTech, 2015, 16, 1254-1262.	1.5	7
139	Synthesis and Assessment of Novel Gelatin-Chitosan Lactate Cohydrogels for Controlled Delivery and Tissue Engineering Applications. Polymer-Plastics Technology and Engineering, 2017, 56, 1457-1467.	1.9	7
140	Medical Signal Processing in Biomedical and Clinical Applications. Journal of Healthcare Engineering, 2018, 2018, 1-2.	1.1	7
141	Statistical and entropy-based features can efficiently detect the short-term effect of caffeinated coffee on the cardiac physiology. Medical Hypotheses, 2020, 145, 110323.	0.8	7
142	Effect of polyglycerol polyricinoleate on the polymorphic transitions and physicochemical properties of mango butter. Food Chemistry, 2020, 323, 126834.	4.2	7
143	Effect of sorbitan monopalmitate on the polymorphic transitions and physicochemical properties of mango butter. Food Chemistry, 2021, 347, 128987.	4.2	7
144	Physicochemical aspects of design of ultrathin films based on chitosan, pectin, and their silver nanocomposites with antiadhesive and bactericidal potential. Journal of Biomedical Materials Research - Part A, 2022, 110, 217-228.	2.1	7

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145	Effect of Slow and Fast Music on the Autonomic Nervous System and Cardiac Health. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 0, , 198-218.	0.3	7
146	Development and characterization of gelatin-polysaccharide based phase-separated hydrogels for prevention of sexually transmitted diseases. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	6
147	An Insight on the Swelling, Viscoelastic, Electrical, and Drug Release Properties of Gelatin-Carboxymethyl Chitosan Hydrogels. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 404-416.	1.9	6
148	Osteoblast-Derived Giant Plasma Membrane Vesicles Induce Osteogenic Differentiation of Human Mesenchymal Stem Cells. <i>Advanced Biology</i> , 2018, 2, 1800093.	3.0	6
149	A scientometric review of hydrogel-based ocular drug delivery systems. , 2021, , 517-537.		6
150	A study on the changes in the autonomic nervous system and cardio-electric physiology after viewing comedy movie clip: A case study. , 2014, , .		5
151	Encapsulation of animal wax-based organogels in alginate microparticles. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	5
152	Wireless transmission of alarm signals from baby incubators to neonatal nursing station. , 2014, , .		5
153	Random forests based sub-vocal electromyogram signal acquisition and classification for rehabilitative applications. , 2014, , .		5
154	Thermal, electrical, and mechanical properties of tween 80/span 80-based organogels and its application in iontophoretic drug delivery. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	5
155	Emulgels. , 2018, , 251-264.		5
156	Synthesis and biomedical applications of filled hydrogels. , 2018, , 283-302.		5
157	Iontophoretic drug delivery systems. , 2019, , 393-420.		5
158	Neem seed oil and gum arabic-based oil-in-water emulsions as potential ocular drug delivery system. <i>Journal of Dispersion Science and Technology</i> , 2020, 41, 1911-1924.	1.3	5
159	Graphene Oxide Increases Corneal Permeation of Ciprofloxacin Hydrochloride from Oleogels: A Study with Cocoa Butter-Based Oleogels. <i>Gels</i> , 2020, 6, 43.	2.1	5
160	Introduction of biopolymers. , 2020, , 1-45.		5
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