

# 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 of novel poly(vinyl alcohol)/chitosan lactate-based phase-separated composite films for UV-shielding and drug delivery applications. <i>Polymer Bulletin</i> , 2022, 79, 3253-3290.	1.7	5
2	Physicochemical aspects of design of ultrathin films based on chitosan, pectin, and their silver nanocomposites with antiadhesive and bactericidal potential. <i>Journal of Biomedical Materials Research - Part A</i> , 2022, 110, 217-228.	2.1	7
3	Wavelet Packet Analysis of ECG Signals to Understand the Effect of Cannabis Abuse on Cardiac Electrophysiology of Indian Women Working in Paddy Fields. , 2022, , 1246-1262.		0
4	The bifidogenic effects and dental plaque deformation of non-digestible isomaltooligosaccharides synthesized by dextransucrase and alternansucrase. <i>Enzyme and Microbial Technology</i> , 2022, 153, 109955.	1.6	4
5	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
6	Nanoclay-based active food packaging systems: A review. <i>Food Packaging and Shelf Life</i> , 2022, 31, 100803.	3.3	41
7	Gum tragacanth modified nano-hydroxyapatite: An angiogenic- osteogenic biomaterial for bone tissue engineering. <i>Ceramics International</i> , 2022, 48, 14672-14683.	2.3	10
8	Chitosan-Based Gels for Regenerative Medicine Applications. , 2022, , 1247-1271.		0
9	Polycaprolactone-based shape memory polymeric nanocomposites for biomedical applications. , 2022, , 413-433.		3
10	Automated Detection of Caffeinated Coffee-Induced Short-Term Effects on ECG Signals Using EMD, DWT, and WPD. <i>Nutrients</i> , 2022, 14, 885.	1.7	3
11	Synthesis and biological characterization of low-calorie <i>Schisandra chinensis</i> syrup. <i>Food Science and Biotechnology</i> , 2022, 31, 857-865.	1.2	1
12	Enhancement of the water solubility and antioxidant capacities of mangiferin by transglucosylation using a cyclodextrin glycosyltransferase. <i>Enzyme and Microbial Technology</i> , 2022, 159, 110065.	1.6	5
13	Oleogels and Organogels: A Promising Tool for New Functionalities. <i>Gels</i> , 2022, 8, 349.	2.1	4
14	Effect of Tamarind Gum on the Properties of Phase-Separated Poly(vinyl alcohol) Films. <i>Polymers</i> , 2022, 14, 2793.	2.0	4
15	Analysis of the Physical and Structure Characteristics of Reformulated Pizza Bread. <i>Foods</i> , 2022, 11, 1979.	1.9	8
16	Effect of carboxylated carbon nanotubes on physicochemical and drug release properties of oleogels. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125695.	2.3	8
17	Development of a low-cost food color monitoring system. <i>Color Research and Application</i> , 2021, 46, 430-445.	0.8	14
18	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

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19	Kokum butter and rice bran oil-based oleogels as novel ocular drug delivery systems. , 2021, , 147-179.		1
20	Electrochemical biosensors. , 2021, , 403-441.		1
21	A scientometric review of hydrogel-based ocular drug delivery systems. , 2021, , 517-537.		6
22	Pyrazoloanthrone-functionalized fluorescent copolymer for the detection and rapid analysis of nitroaromatics. Materials Chemistry Frontiers, 2021, 5, 238-248.	3.2	9
23	Gelatin and rice starch-based phase-separated hydrogel formulations for controlled drug delivery applications. , 2021, , 263-289.		1
24	Preparation and Characterization of Biopolymeric Nanoparticles as Drug Delivery Vehicles. , 2021, , 1659-1680.		0
25	Polysaccharide-based polymeric gels as drug delivery vehicles. , 2021, , 283-325.		2
26	Essential Oil-Containing Polysaccharide-Based Edible Films and Coatings for Food Security Applications. Polymers, 2021, 13, 575.	2.0	60
27	IoT-Based Applications in Healthcare Devices. Journal of Healthcare Engineering, 2021, 2021, 1-18.	1.1	173
28	Synthesis of novel poly (vinyl alcohol)/tamarind gum/bentonite-based composite films for drug delivery applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 613, 126043.	2.3	28
29	Advanced X-ray shielding and antibacterial smart multipurpose fabric impregnated with polygonal shaped bismuth oxide nanoparticles in carbon nanotubes via green synthesis. Green Chemistry Letters and Reviews, 2021, 14, 272-285.	2.1	17
30	Fabrication and Characterization of Poly (vinyl alcohol) and Chitosan Oligosaccharide-Based Blend Films. Gels, 2021, 7, 55.	2.1	16
31	Internet of Things and Robotics in Transforming Current-Day Healthcare Services. Journal of Healthcare Engineering, 2021, 2021, 1-15.	1.1	27
32	Cobalt doped nano-hydroxyapatite incorporated gum tragacanth-alginate beads as angiogenic-osteogenic cell encapsulation system for mesenchymal stem cell based bone tissue engineering. International Journal of Biological Macromolecules, 2021, 179, 101-115.	3.6	30
33	Effect of sorbitan monopalmitate on the polymorphic transitions and physicochemical properties of mango butter. Food Chemistry, 2021, 347, 128987.	4.2	7
34	The Internet of Things in Geriatric Healthcare. Journal of Healthcare Engineering, 2021, 2021, 1-16.	1.1	11
35	Effect of Biodegradable Hydrophilic and Hydrophobic Emulsifiers on the Oleogels Containing Sunflower Wax and Sunflower Oil. Gels, 2021, 7, 133.	2.1	20
36	Polysaccharide-Based Nanocomposites for Food Packaging Applications. Materials, 2021, 14, 5549.	1.3	18

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37	Bentonite increases the corneal permeation of the drug from the tamarind gum hydrogels. , 2021, , 291-322.		2
38	Methods of Preparation of Nanoparticle Formulations for the Treatment of COPD. , 2021, , 373-392.		0
39	Introduction to polysaccharides. , 2021, , 3-46.		2
40	Chitosan-Based Gels for Regenerative Medicine Applications. , 2021, , 1-25.		0
41	Selected Applications of Chitosan Composites. International Journal of Molecular Sciences, 2021, 22, 10968.	1.8	25
42	Development of Graphene Quantum Dots by Valorizing the Bioresources – A Critical Review. ChemistrySelect, 2021, 6, 9990-10001.	0.7	3
43	Variations in Microstructural and Physicochemical Properties of Candelilla Wax/Rice Bran Oil–Derived Oleogels Using Sunflower Lecithin and Soya Lecithin. Gels, 2021, 7, 226.	2.1	17
44	Preparation and characterization of cocoa butter and whey protein isolate based emulgels for pharmaceutical and probiotics delivery applications. Journal of Dispersion Science and Technology, 2020, 41, 426-440.	1.3	13
45	Neem seed oil and gum arabic-based oil-in-water emulsions as potential ocular drug delivery system. Journal of Dispersion Science and Technology, 2020, 41, 1911-1924.	1.3	5
46	Upconversion nanoparticle incorporated oleogel as probable skin tissue imaging agent. Chemical Engineering Journal, 2020, 379, 122272.	6.6	16
47	Analysis of Heart Rate Variability to Understand the Immediate Effect of Smoking on the Autonomic Nervous System Activity. Lecture Notes in Electrical Engineering, 2020, , 157-164.	0.3	0
48	Silanization improves biocompatibility of graphene oxide. Materials Science and Engineering C, 2020, 110, 110647.	3.8	41
49	Transdermal Delivery of Gold Nanoparticles by a Soybean Oil-Based Oleogel under Iontophoresis. ACS Applied Bio Materials, 2020, 3, 7029-7039.	2.3	16
50	Graphene oxide reinforced nanocomposite oleogels improves corneal permeation of drugs. Journal of Drug Delivery Science and Technology, 2020, 60, 102024.	1.4	10
51	Synthesis and characterization of tamarind kernel powder-based antimicrobial edible films loaded with geraniol. Food Packaging and Shelf Life, 2020, 26, 100562.	3.3	54
52	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
53	Analysis of heart rate variability to understand the effect of cannabis consumption on Indian male paddy-field workers. Biomedical Signal Processing and Control, 2020, 62, 102072.	3.5	10
54	Enhancement of neuroprotection, antioxidant capacity, and water-solubility of crocins by transglucosylation using dextranucrase under high hydrostatic pressure. Enzyme and Microbial Technology, 2020, 140, 109630.	1.6	12

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55	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
56	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
57	Fermented Wild Ginseng by <i>Rhizopus oligosporus</i> Improved l-Carnitine and Ginsenoside Contents. <i>Molecules</i> , 2020, 25, 2111.	1.7	17
58	Gum-based hydrogels in drug delivery. , 2020, , 605-645.		13
59	Facile transdermal delivery of upconversion nanoparticle by iontophoresis-responsive magneto-upconversion oleogel. <i>Nano Express</i> , 2020, 1, 010012.	1.2	4
60	Oleogels Based on Palmitic Acid and Safflower Oil: Novel Formulations for Ocular Drug Delivery of Voriconazole. <i>European Journal of Lipid Science and Technology</i> , 2020, 122, 1900288.	1.0	8
61	Introduction of biopolymers. , 2020, , 1-45.		5
62	Dataset for EEG signals used to detect the effect of coffee consumption on the activation of SSVEP signal. <i>Data in Brief</i> , 2020, 29, 105174.	0.5	0
63	CNT-tamarind gum-based solid-textured composite hydrogels for drug delivery applications. , 2020, , 813-834.		0
64	Enzymatic synthesis of flavonoid glucosides and their biochemical characterization. , 2020, , 47-66.		0
65	Effect of polyglycerol polyricinoleate on the polymorphic transitions and physicochemical properties of mango butter. <i>Food Chemistry</i> , 2020, 323, 126834.	4.2	7
66	Internet-of-Things-Enabled Dual-Channel Iontophoretic Drug Delivery System for Elderly Patient Medication Management. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2020, 14, 011104.	0.4	5
67	Development of a Surface EMG-Based Control System for Controlling Assistive Devices. , 2020, , 765-785.		0
68	Development of Bluetooth, Xbee, and Wi-Fi-Based Wireless Control Systems for Controlling Electric-Powered Robotic Vehicle Wheelchair Prototype. , 2020, , 1048-1079.		1
69	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
70	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
71	Data mining based approach to study the effect of consumption of caffeinated coffee on the generation of the steady-state visual evoked potential signals. <i>Computers in Biology and Medicine</i> , 2019, 115, 103526.	3.9	3
72	Contrasting diversity of vaginal lactobacilli among the females of Northeast India. <i>BMC Microbiology</i> , 2019, 19, 198.	1.3	19

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73	Environment sensitive hydrogels for drug delivery applications. European Polymer Journal, 2019, 120, 109220.	2.6	103
74	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. New Journal of Chemistry, 2019, 43, 217-229.	1.4	54
75	Doxorubicin Loaded Green Synthesized Nanoceria Decorated Functionalized Graphene Nanocomposite for Cancer-Specific Drug Release. Journal of Cluster Science, 2019, 30, 1565-1582.	1.7	16
76	Light-fidelity based biosignal transmission. , 2019, , 1-14.		0
77	Development of a low-cost color sensor for biomedical applications. , 2019, , 15-29.		2
78	Development of a voice-controlled home automation system for the differently-abled. , 2019, , 31-45.		2
79	Iontophoretic drug delivery systems. , 2019, , 393-420.		5
80	Electrocardiogram signal processing-based diagnostics: applications of wavelet transform. , 2019, , 591-614.		2
81	Electroencephalogram-based brain-computer interface systems for controlling rehabilitative devices. , 2019, , 857-890.		2
82	Designing of a biopotential amplifier for the acquisition and processing of subvocal electromyography signals. , 2019, , 913-929.		0
83	Anti-cariogenic Characteristics of Rubusoside. Biotechnology and Bioprocess Engineering, 2019, 24, 282-287.	1.4	18
84	Development of a wireless intravenous drip rate monitoring device. International Journal of Sensor Networks, 2019, 29, 159.	0.2	1
85	Green synthesized amino-PEGylated silver decorated graphene nanoplateform as a tumor-targeted controlled drug delivery system. SN Applied Sciences, 2019, 1, 1.	1.5	23
86	Carrageenan: A Wonder Polymer from Marine Algae for Potential Drug Delivery Applications. Current Pharmaceutical Design, 2019, 25, 1172-1186.	0.9	62
87	Development of a wireless intravenous drip rate monitoring device. International Journal of Sensor Networks, 2019, 29, 159.	0.2	1
88	Wireless speech control system for robotic arm. International Journal of Biomedical Engineering and Technology, 2019, 30, 344.	0.2	0
89	Alginate and its Applications in Tissue Engineering. , 2019, , 217-254.		0
90	Preparation and characterization of novel tamarind gum-based hydrogels for antimicrobial drug delivery applications. Chemical Papers, 2018, 72, 2101-2113.	1.0	12

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91	Development of Bigels Based on Stearic Acidâ€“Rice Bran Oil Oleogels and Tamarind Gum Hydrogels for Controlled Delivery Applications. Journal of Surfactants and Detergents, 2018, 21, 17-29.	1.0	42
92	Understanding the effect of functionalized carbon nanotubes on the properties of tamarind gum hydrogels. Polymer Bulletin, 2018, 75, 4929-4945.	1.7	16
93	Reinforcing effect of graphene oxide reinforcement on the properties of poly (vinyl alcohol) and carboxymethyl tamarind gum based phase-separated film. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 81, 61-71.	1.5	33
94	An Insight on the Swelling, Viscoelastic, Electrical, and Drug Release Properties of Gelatinâ€“Carboxymethyl Chitosan Hydrogels. Polymer-Plastics Technology and Engineering, 2018, 57, 404-416.	1.9	6
95	Understanding the Effect of Tamarind Gum Proportion on the Properties of Tamarind Gum-Based Hydroethanolic Physical Hydrogels. Polymer-Plastics Technology and Engineering, 2018, 57, 540-547.	1.9	10
96	Recurrence Quantification Analysis of RR Interval Signals of Female Smokers and Non-smokers during Different Phases of Menstrual Cycle. , 2018, , .		0
97	Understanding the Effect of Smoking on the Cardiac Activity of Young Female Smokers using EMD Analysis of ECG Signals. , 2018, , .		0
98	Emulgels. , 2018, , 251-264.		5
99	Protein-based gels. , 2018, , 31-54.		4
100	Synthesis and biomedical applications of filled hydrogels. , 2018, , 283-302.		5
101	A Review on the Nonlinear Dynamical System Analysis of Electrocardiogram Signal. Journal of Healthcare Engineering, 2018, 2018, 1-19.	1.1	65
102	Bigels. , 2018, , 265-282.		10
103	Osteoblastâ€“Derived Giant Plasma Membrane Vesicles Induce Osteogenic Differentiation of Human Mesenchymal Stem Cells. Advanced Biology, 2018, 2, 1800093.	3.0	6
104	Medical Signal Processing in Biomedical and Clinical Applications. Journal of Healthcare Engineering, 2018, 2018, 1-2.	1.1	7
105	Effect of a Motivational Song on the Autonomic Nervous System and the Heart of Indian Male Volunteers. Advances in Medical Technologies and Clinical Practice Book Series, 2018, , 299-317.	0.3	1
106	Analysis of ECG Signals to Investigate the Effect of a Humorous Audio-Visual Stimulus on Autonomic Nervous System and Heart of Females. Advances in Medical Technologies and Clinical Practice Book Series, 2018, , 239-256.	0.3	0
107	Wavelet Packet Analysis of ECG signals to Understand the Effect of a Motivating Song on Heart of Indian Male Volunteers. Advances in Bioinformatics and Biomedical Engineering Book Series, 2018, , 168-192.	0.2	0
108	Wavelet Packet Analysis of ECG Signals to Understand the Effect of Cannabis Abuse on Cardiac Electrophysiology of Indian Women Working in Paddy Fields. Advances in Medical Technologies and Clinical Practice Book Series, 2018, , 257-273.	0.3	0

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109	Glucosides of Catechin and Epigallocatechin Gallate: Enzymatic Synthesis to Improve Its Biological Activity. , 2018, , 277-291.		0
110	Effect of a Romantic Song on the Autonomic Nervous System and the Heart of Indian Male Volunteers. Advances in Bioinformatics and Biomedical Engineering Book Series, 2018, , 120-142.	0.2	0
111	Preparation, Characterization and Assessment of the Novel Gelatinâ€“tamarind Gum/Carboxymethyl Tamarind Gum-Based Phase-Separated Films for Skin Tissue Engineering Applications. Polymer-Plastics Technology and Engineering, 2017, 56, 141-152.	1.9	17
112	Synthesis and characterization of polyvinyl alcohol- carboxymethyl tamarind gum based composite films. Carbohydrate Polymers, 2017, 165, 159-168.	5.1	43
113	Gum tragacanthâ€“alginate beads as proangiogenicâ€“osteogenic cell encapsulation systems for bone tissue engineering. Journal of Materials Chemistry B, 2017, 5, 4177-4189.	2.9	43
114	Novel agarâ€“stearyl alcohol oleogel-based bigels as structured delivery vehicles. International Journal of Polymeric Materials and Polymeric Biomaterials, 2017, 66, 669-678.	1.8	51
115	Stearic Acid Modified Stearyl Alcohol Oleogel: Analysis of the Thermal, Mechanical and Drug Release Properties. Journal of Surfactants and Detergents, 2017, 20, 851-861.	1.0	23
116	Magnetic nanoparticle incorporated oleogel as iontophoretic drug delivery system. Colloids and Surfaces B: Biointerfaces, 2017, 157, 118-129.	2.5	34
117	Synthesis and Assessment of Novel Gelatinâ€“Chitosan Lactate Cohydrogels for Controlled Delivery and Tissue Engineering Applications. Polymer-Plastics Technology and Engineering, 2017, 56, 1457-1467.	1.9	7
118	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. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 75, 538-548.	1.5	22
119	An in-Depth Analysis of the Swelling, Mechanical, Electrical, and Drug Release Properties of Agarâ€“Gelatin Co-Hydrogels. Polymer-Plastics Technology and Engineering, 2017, 56, 667-677.	1.9	3
120	Effect of a humorous audio-visual stimulus on autonomic nervous system and heart of females. , 2017, , .		0
121	Study of the effect of a patriotic song on autonomic nervous system and heart using ECG signal analysis. , 2017, , .		0
122	Understanding the effect of cannabis abuse on the ANS and cardiac physiology of the Indian women paddy-field workers using RR interval and ECG signal analyses. , 2017, , .		4
123	Understanding the Effect of a Motivational Music on Indian Male Volunteers Using Recurrence Analysis and ANN Classification. , 2017, , .		0
124	Analysis of the ECG Signal to Understand the Effect of Regional State Anthem of Odisha in Young Reproductively Active Odia Females. , 2017, , .		0
125	Understanding the Effect of Sound of a Horror Audio-Visual Stimulus on R-R Interval Signal Using Recurrence and Empirical Mode Decomposition analyses. , 2017, , .		0
126	Non-Linear Analysis of Heart Rate Variability and ECG Signal Features of Swimmers from NIT-Rourkela. Advances in Bioinformatics and Biomedical Engineering Book Series, 2017, , 56-75.	0.2	1



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127	An Insight on the Texture and Electrical Properties of Tomato Ketchup on a Temperature Scale. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 2017, , 399-417.	0.3	0
128	Effect of Odia and Tamil Music on the ANS and the Conduction Pathway of Heart of Odia Volunteers. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2017, , 240-263.	0.3	3
129	Designing and Evaluation of Aluminium Thin-Film Electrochemical Sensors for Biomedical Analysis. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 2017, , 430-453.	0.3	0
130	Voluntary Blink Controlled Communication Protocol for Bed-Ridden Patients. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> , 2017, , 162-195.	0.3	0
131	Natural Polymers: Tissue Engineering. , 2017, , 1206-1234.		0
132	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
133	Effect of Cannabis consumption on ANS and conduction pathway of heart of Indian paddy field workers. , 2016, , .		8
134	Acquisition and classification of EMG using a dual-channel EMG biopotential amplifier for controlling assistive devices. , 2016, , .		8
135	A multiobjective evolutionary algorithm based on decomposition for unit commitment problem with significant wind penetration. , 2016, , .		1
136	Effect of sound in a horror movie clip on the physiology of the ANS and the conduction pathway of the heart. , 2016, , .		3
137	Effect of Polysaccharides on the Properties of the Mucoadhesive Poly(Vinyl Alcohol) Multicore-Shell Microparticles. <i>Polymer-Plastics Technology and Engineering</i> , 2016, 55, 879-888.	1.9	1
138	Texture- and deformability-based surface recognition by tactile image analysis. <i>Medical and Biological Engineering and Computing</i> , 2016, 54, 1269-1283.	1.6	8
139	Gelatin/Carboxymethyl chitosan based scaffolds for dermal tissue engineering applications. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 1499-1506.	3.6	104
140	An In-depth Analysis of the Mechanical, Electrical, and Drug Release Properties of Gelatin- Starch Phase-Separated Hydrogels. <i>Polymer-Plastics Technology and Engineering</i> , 2016, 55, 1731-1742.	1.9	4
141	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
142	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
143	Alginate Bead Based Hexagonal Close Packed 3D Implant for Bone Tissue Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 32132-32145.	4.0	37
144	Development of EOG and EMG-Based Multimodal Assistive Systems. <i>Studies in Computational Intelligence</i> , 2016, , 285-310.	0.7	3

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145	Effect of sorbitan monostearate concentration on the thermal, mechanical and drug release properties of oleogels. Korean Journal of Chemical Engineering, 2016, 33, 1720-1727.	1.2	36
146	A Fuzzy Rule-Based Penalty Function Approach for Constrained Evolutionary Optimization. IEEE Transactions on Cybernetics, 2016, 46, 2953-2965.	6.2	57
147	Synthesis of Vegetable Fat Containing Chitosan Microparticles with Improved Physical and Delivery Properties. Polymer-Plastics Technology and Engineering, 2016, 55, 530-541.	1.9	1
148	Evaluation of poly(L-lactide) and chitosan composite scaffolds for cartilage tissue regeneration. Designed Monomers and Polymers, 2016, 19, 271-282.	0.7	17
149	Groundnut oil based emulsion gels for passive and iontophoretic delivery of therapeutics. Designed Monomers and Polymers, 2016, 19, 297-308.	0.7	12
150	Effect of Tween 20 on the Properties of Stearate Oleogels: an in-depth Analysis. JAOCS, Journal of the American Oil Chemists' Society, 2016, 93, 711-719.	0.8	31
151	Substrate stiffness does affect the fate of human keratinocytes. RSC Advances, 2016, 6, 3539-3551.	1.7	23
152	Development of soy lecithin based novel self-assembled emulsion hydrogels. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 55, 250-263.	1.5	27
153	MEMS-Based Controlled Drug Delivery Systems: A Short Review. Polymer-Plastics Technology and Engineering, 2016, 55, 965-975.	1.9	13
154	Effect of mechanical and electrical behavior of gelatin hydrogels on drug release and cell proliferation. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 53, 174-186.	1.5	32
155	Cobalt doped proangiogenic hydroxyapatite for bone tissue engineering application. Materials Science and Engineering C, 2016, 58, 648-658.	3.8	110
156	Review on Encapsulation of Vegetable Oils: Strategies, Preparation Methods, and Applications. Polymer-Plastics Technology and Engineering, 2016, 55, 291-311.	1.9	51
157	Development of an EOG based computer aided communication support system. , 2015, , .		1
158	Development and characterization of gelatin-polysaccharide based phase-separated hydrogels for prevention of sexually transmitted diseases. Journal of Applied Polymer Science, 2015, 132, .	1.3	6
159	Development of ionic and non-ionic natural gum-based bigels: Prospects for drug delivery application. Journal of Applied Polymer Science, 2015, 132, .	1.3	23
160	Development and characterization of gelatin-tamarind gum/carboxymethyl tamarind gum based phase-separated hydrogels: a comparative study. Designed Monomers and Polymers, 2015, 18, 434-450.	0.7	20
161	Sunflower Oil and Protein-based Novel Bigels as Matrices for Drug Delivery Applications—Characterization and <i>in vitro</i> Antimicrobial Efficiency. Polymer-Plastics Technology and Engineering, 2015, 54, 837-850.	1.9	31
162	Improving the osteogenic and angiogenic properties of synthetic hydroxyapatite by dual doping of bivalent cobalt and magnesium ion. Ceramics International, 2015, 41, 11323-11333.	2.3	90

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163	Calcium alginate-carboxymethyl cellulose beads for colon-targeted drug delivery. <i>International Journal of Biological Macromolecules</i> , 2015, 75, 409-417.	3.6	192
164	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
165	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
166	Genipin-Crosslinked Gelatin-Based Emulgels: an Insight into the Thermal, Mechanical, and Electrical Studies. <i>AAPS PharmSciTech</i> , 2015, 16, 1254-1262.	1.5	7
167	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
168	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
169	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
170	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
171	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
172	Ultrasonication-Assisted Preparation and Characterization of Emulsions and Emulsion Gels for Topical Drug Delivery. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 1035-1044.	1.6	8
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