Madhusudhan Alle

List of Publications by Year in Descending Order

200 papers	2,134 citations	22 h-index	38 g-index
204 ext. papers	2,538 ext. citations	3.3 avg, IF	5.64 L-index

#	Paper	IF	Citations
200	Microwave-Assisted Synchronous Nanogold Synthesis Reinforced by Kenaf Seed and Decoding Their Biocompatibility and Anticancer Activity.. *Pharmaceuticals*, **2022**, 15,	5.2	4
199	Gold nanoparticles spontaneously grown on cellulose nanofibrils as a reusable nanozyme for colorimetric detection of cholesterol in human serum.. *International Journal of Biological Macromolecules*, **2022**, 201, 686-686	7.9	3
198	Synthesis of hydrophobically modified alginate and hydrophobically modified gelatin containing cubic phase for pH- and salt-responsive release of fructose diphosphate. *Colloid and Polymer Science*, **2022**, 300, 233	2.4	
197	Integrating the high peroxidase activity of carbon dots with easy recyclability: Immobilization on dialdehyde cellulose nanofibrils and cholesterol detection. *Applied Materials Today*, **2022**, 26, 101286	6.6	1
196	Monoolein Cubic Phase Containing Cellulose Nanocrystal as a Release Modulator for a Negatively Charged Compound. *Biotechnology and Bioprocess Engineering*, **2022**, 27, 193-201	3.1	
195	Assessment of bacteriophage-encoded endolysin as a potent antimicrobial agent against antibiotic-resistant Salmonella Typhimurium.. *Microbial Pathogenesis*, **2022**, 105576	3.8	0
194	Effective fabrication of cellulose nanofibrils supported Pd nanoparticles as a novel nanozyme with peroxidase and oxidase-like activities for efficient dye degradation. *Journal of Hazardous Materials*, **2022**, 129165	12.8	3
193	Recent Trends in Preparation and Biomedical Applications of Nanocellulose-Based Hydrogels. *Nanotechnology in the Life Sciences*, **2021**, 203-221	1.1	
192	Nanoparticle-Mediated Delivery of Flavonoids for Cancer Therapy: Prevention and Treatment. *Nanotechnology in the Life Sciences*, **2021**, 61-100	1.1	
191	Niosomes: A Smart Drug Carrier Synthesis, Properties and Applications. *Nanotechnology in the Life Sciences*, **2021**, 449-486	1.1	
190	A New Era of Cancer Treatment: Carbon Nanotubes as Drug Delivery Tools. *Nanotechnology in the Life Sciences*, **2021**, 155-171	1.1	1
189	Graphene-Based Smart Nanomaterials for Photothermal Therapy. *Nanotechnology in the Life Sciences*, **2021**, 125-153	1.1	1
188	Role of Metal-Doped Carbon Dots in Bioimaging and Cancer Therapy. *Nanotechnology in the Life Sciences*, **2021**, 101-123	1.1	1
187	Current Trends in Engineered Gold Nanoparticles for Cancer Therapy. *Nanotechnology in the Life Sciences*, **2021**, 1-40	1.1	2
186	Poly (ethylenimine)/(phenylthio) acetic acid ion pair self-assembly incorporating indocyanine green and its NIR‐responsive release property. *Journal of Polymer Research*, **2021**, 28, 1	2.7	
185	Shape recoverable, Au nanoparticles loaded nanocellulose foams as a recyclable catalyst for the dynamic and batch discoloration of dyes. *Carbohydrate Polymers*, **2021**, 258, 117693	10.3	8
184	Central composite design for the development of carvedilol-loaded transdermal ethosomal hydrogel for extended and enhanced anti-hypertensive effect. *Journal of Nanobiotechnology*, **2021**, 19, 100	9.4	5

183	Magnesium ascorbyl phosphate loaded in dissolving stiff microneedles containing cellulose nanofiber. *Journal of Drug Delivery Science and Technology*, **2021**, 63, 102439	4.5	1
182	Self-assembly prepared using an ion pair of poly(ethylene imine) and (phenylthio) acetic acid as a drug carrier for oxidation, temperature, and NIR-responsive release. *Chemical Engineering Journal*, **2021**, 415, 128954	14.7	9
181	Cellulose nanofibrils/carbon dots composite nanopapers for the smartphone-based colorimetric detection of hydrogen peroxide and glucose. *Sensors and Actuators B: Chemical*, **2021**, 330, 129330	8.5	29
180	Rapid in-situ growth of gold nanoparticles on cationic cellulose nanofibrils: Recyclable nanozyme for the colorimetric glucose detection. *Carbohydrate Polymers*, **2021**, 253, 117239	10.3	19
179	Nutritional, Pharmaceutical, and Industrial Potential of Forest-Based Plant Gum **2021**, 105-128		
178	Algae-, fungi-, and yeast-mediated biological synthesis of nanoparticles and their various biomedical applications **2021**, 701-734		5
177	Preparation of dimethylaminopropyl octadecanamide/stearic acid vesicles incorporating azobenzene and their UV-responsive release property. *Colloid and Polymer Science*, **2021**, 299, 741-749	2.4	1
176	Polyquaternium enhances the colloidal stability of chitosan-capped platinum nanoparticles and their antibacterial activity. *Nanotechnology*, **2021**, 32,	3.4	1
175	Strategies for transdermal drug delivery against bone disorders: A preclinical and clinical update. *Journal of Controlled Release*, **2021**, 336, 375-395	11.7	2
174	In-situ fabrication of novel flower like MoS/CoTiO nanorod heterostructures for the recyclable degradation of ciprofloxacin and bisphenol A under sunlight. *Chemosphere*, **2021**, 281, 130822	8.4	4
173	Monoolein Cubic Phase Including Hydrophobized Modified Gelatin and Poly(ethyleneimine) and Its Effect on the Stability of Retinyl Palmitate. *Journal of Nanoscience and Nanotechnology*, **2021**, 21, 5583-5591	1.3	
172	Vesicles Comprising Dimethylaminopropyl Octadecanamide, Stearic Acid, and Carboxyhexadecyl Disulfide and Their Release Property under Reducing Condition. *Biotechnology and Bioprocess Engineering*, **2020**, 25, 690-698	3.1	
171	In vitro Anti-cancer Efficacy and Cellular Interaction of Cubic Phases Containing Cinnamic Acid, Poly(ethyleneimine), and Doxorubicin. *Biotechnology and Bioprocess Engineering*, **2020**, 25, 235-245	3.1	4
170	Simple and cleaner system of silver nanoparticle synthesis using kenaf seed and revealing its anticancer and antimicrobial potential. *Nanotechnology*, **2020**, 31, 265101	3.4	18
169	Oxidation-Responsive Emulsions Stabilized with Poly(Vinyl Pyrrolidone--allyl Phenyl Sulfide). *Polymers*, **2020**, 12,	4.5	3
168	Adsorption Characteristics of Ag Nanoparticles on Cellulose Nanofibrils with Different Chemical Compositions. *Polymers*, **2020**, 12,	4.5	10
167	Oxidation-Triggerable Liposome Incorporating Poly(Hydroxyethyl Acrylate--Allyl methyl sulfide) as an Anticancer Carrier of Doxorubicin. *Cancers*, **2020**, 12,	6.6	4
166	Recent trends in isolation of cellulose nanocrystals and nanofibrils from various forest wood and nonwood products and their application **2020**, 41-80		9

165	Rapid synchronous synthesis of Ag nanoparticles and Ag nanoparticles/holocellulose nanofibrils: Hg(II) detection and dye discoloration. *Carbohydrate Polymers*, **2020**, 240, 116356	10.3	22
164	Green synthesis of AgNPs using lignocellulose nanofibrils as a reducing and supporting agent. *BioResources*, **2020**, 15, 2119-2132	1.3	4
163	Salt-responsive monoolein cubic phase containing polyethyleneimine gel. *Journal of Polymer Research*, **2020**, 27, 1	2.7	21
162	Development of biopolymer-mediated nanocomposites using hot-melt extrusion to enhance the bio-accessibility and antioxidant capacity of kenaf seed flour. *Applied Nanoscience (Switzerland)*, **2020**, 10, 1305-1317	3.3	15
161	Ultrafast synthesis of gold nanoparticles on cellulose nanocrystals via microwave irradiation and their dyes-degradation catalytic activity. *Journal of Materials Science and Technology*, **2020**, 41, 168-177	9.1	30
160	Spray-dried microparticles composed of carboxylated cellulose nanofiber and cysteamine and their oxidation-responsive release property. *Colloid and Polymer Science*, **2020**, 298, 157-167	2.4	2
159	Complexation-responsive monoolein cubic phase containing extract of Bambusae Caulis in Taeniam. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2020**, 69, 44-52	3	4
158	Liposomes incorporating cinnamoyl gelatin and cinnnamoyl alginate and their pH and UV-responsive release property. *Journal of Dispersion Science and Technology*, **2020**, 41, 62-71	1.5	3
157	Thiolated alginate microparticles exhibiting redox-responsive release. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2020**, 69, 821-830	3	3
156	Doxorubicin-carboxymethyl xanthan gum capped gold nanoparticles: Microwave synthesis, characterization, and anti-cancer activity. *Carbohydrate Polymers*, **2020**, 229, 115511	10.3	47
155	Oxidation- and Temperature-Responsive Poly(hydroxyethyl acrylate--phenyl vinyl sulfide) Micelle as a Potential Anticancer Drug Carrier. *Pharmaceutics*, **2019**, 11,	6.4	8
154	Monoolein cubosomes for enhancement of in vitro anti-oxidative efficacy of Bambusae Caulis in Taeniam extract toward carcinogenic fine dust-stimulated RAW 264.7 cells. *Korean Journal of Chemical Engineering*, **2019**, 36, 1466-1473	2.8	5
153	In vitro Dermal Delivery of Epidermal Growth Factor Using Redox-responsive Cubosomes. *Biotechnology and Bioprocess Engineering*, **2019**, 24, 273-281	3.1	5
152	Proteomics-based discrimination of differentially expressed proteins in antibiotic-sensitive and antibiotic-resistant Salmonella Typhimurium, Klebsiella pneumoniae, and Staphylococcus aureus. *Archives of Microbiology*, **2019**, 201, 1259-1275	3	3
151	In vitro anti-inflammatory efficacy of Bambusae Caulis in Taeniam extract loaded in monoolein cubosomes. *Journal of Industrial and Engineering Chemistry*, **2019**, 77, 189-197	6.3	3
150	Monoolein cubic phases containing cinnamic acid, poly(ethyleneimine) and gold nanoparticle and their UV- and NIR-responsive release property. *International Journal of Pharmaceutics*, **2019**, 554, 420-428	6.5	5
149	Monoolein cubic phase containing alginate/cystamine gel for controlled release of epidermal growth factor. *Journal of Dispersion Science and Technology*, **2019**, 40, 119-127	1.5	6
148	Assessment of antibiotic resistance in bacteriophage-insensitive Klebsiella pneumoniae. *Microbial Pathogenesis*, **2019**, 135, 103625	3.8	3

147	N-Doped carbon dots with pH-sensitive emission, and their application to simultaneous fluorometric determination of iron(III) and copper(II). *Mikrochimica Acta*, **2019**, 187, 30	5.8	34
146	Green Synthesis of Gold Nanoparticles by Using Natural Gums **2019**, 111-134		13
145	Disulfide proteinoid micelles responsive to reduction. *Journal of Dispersion Science and Technology*, **2019**, 40, 1413-1422	1.5	2
144	Oxidation-responsive cubic phase incorporating poly(hydroxyethyl acrylamide-co-phenyl vinyl sulfide). *Colloid and Polymer Science*, **2019**, 297, 23-34	2.4	1
143	Monoolein cubic phase containing poly(hydroxyethyl acrylate-co-propyl methacrylate-co-methacrylic acid) and its electric field-driven release property. *Journal of Industrial and Engineering Chemistry*, **2019**, 70, 226-233	6.3	8
142	Temperature and electric field-triggerable liposomes incorporating poly(hydroxyethyl acrylate-co-hexadecyl acrylate-co-carboxyethyl acrylate). *Journal of Industrial and Engineering Chemistry*, **2018**, 62, 383-391	6.3	6
141	Redox-responsive solid lipid microparticles composed of octadecyl acrylate and allyl disulfide. *Journal of Biomaterials Science, Polymer Edition*, **2018**, 29, 476-490	3.5	3
140	Emulsion stabilized with disulfide proteinoid and its stability in reducing condition. *Journal of Dispersion Science and Technology*, **2018**, 39, 333-340	1.5	2
139	Monoolein cubic phase containing azobenzene and its UV/visible light irradiation-dependent release property. *Journal of Dispersion Science and Technology*, **2018**, 39, 460-467	1.5	1
138	Monoolein cubic phase including in situ ionically gelled alginate and its salt-responsive release property. *Journal of Dispersion Science and Technology*, **2018**, 39, 18-25	1.5	5
137	pH-Sensitive Self-Assembled Microspheres Composed of Poly(Ethyleneimine) and Cinnamic Acid. *Applied Biochemistry and Biotechnology*, **2018**, 184, 253-263	3.2	1
136	pH-sensitive self-assembling property of poly(ethyleneimine)/cinnamic acid mixture and its effect on pH-dependent release of monoolein cubic phase. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2018**, 67, 438-444	3	4
135	Monoolein cubic phase containing disulfide proteinoid and its reduction-responsive release property. *Journal of Dispersion Science and Technology*, **2018**, 39, 614-622	1.5	4
134	Oil-in-gold nanoparticle solution emulsion stabilized with amphiphilic polymers and its stability under NIR irradiation. *Journal of Dispersion Science and Technology*, **2018**, 39, 961-969	1.5	3
133	Microwave assisted rapid green synthesis of gold nanoparticles using Annona squamosa L peel extract for the efficient catalytic reduction of organic pollutants. *Journal of Molecular Structure*, **2018**, 1167, 305-315	3.4	50
132	Reduction-Responsive Release of Solid Lipid Nanoparticle Composed of Stearic Acid and Cystamine. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 3102-3109	1.3	4
131	Tripolyphosphate-responsive release property of monoolein cubic phase containing sodium dodecyl sulfate and oligo chitosan. *Journal of Dispersion Science and Technology*, **2017**, 38, 432-439	1.5	
130	Tripolyphosphate-sensitive egg phosphatidylcholine liposomes incorporating hydrophobically modified poly(ethylene imine). *Journal of Dispersion Science and Technology*, **2017**, 38, 272-279	1.5	4

129	Preparation of microparticles composed of cinnamoyl gelatin and cinnamoyl alginate by spray-drying method and effect of UV irradiation and pH value on their release property. *Journal of Dispersion Science and Technology*, **2017**, 38, 187-193	1.5	5
128	pH- and cinnamic acid-triggerable dioleoylphophatidylethanolamine liposome bearing polyethyleneimine/palmitic acid mixture. *Journal of Dispersion Science and Technology*, **2017**, 38, 558-565	1.5	1
127	In vivo lifetime and anti-cancer efficacy of doxorubicin-loaded nanogels composed of cinnamoyl poly (Ecyclodextrin) and cinnamoyl Pluronic F127. *Journal of Biomaterials Science, Polymer Edition*, **2017**, 28, 505-518	3.5	7
126	Preparation of liposome bearing disulfide proteinoid and its reduction-responsive release property. *Journal of Biomaterials Science, Polymer Edition*, **2017**, 28, 1365-1381	3.5	2
125	Doxorubicin-containing microparticles comprising cinnamoyl gelatin-folic acid conjugate, cinnamoyl Pluronic F127, and cinnamoyl poly(Ecyclodextrin). *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2017**, 54, 394-401	2.2	
124	Gold nanoparticlesLoaded cinnamoyl pluronic F-127/cinnamoyl alginate microparticles prepared by a spray-drying method. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2017**, 66, 753-761	3	2
123	Effect of tris(hydroxymethyl) aminomethane on the phase behavior of poly(ethylene imine)/cinnamic acid conjugate and the release property of cubic phase containing the conjugate. *Journal of Dispersion Science and Technology*, **2017**, 38, 1381-1387	1.5	1
122	Reduction-responsive vesicles composed of dimethylaminopropyl octadecanamide and dithiodipropionic acid. *Journal of Dispersion Science and Technology*, **2017**, 38, 1613-1617	1.5	
121	Cystamine-incorporated gelatin microsphere and its redox-responsive release property. *Molecular Crystals and Liquid Crystals*, **2017**, 652, 230-241	0.5	1
120	Reduction-Sensitive Poly(ethylenimine) Nanogel Bearing Dithiodipropionic Acid. *Chemical and Pharmaceutical Bulletin*, **2017**, 65, 718-725	1.9	6
119	Analysis of trace metal concentrations in raw cow¥ milk from three dairy farms in North Gondar, Ethiopia: chemometric approach. *Environmental Monitoring and Assessment*, **2017**, 189, 499	3.1	11
118	Hydrogel composed of acrylic coumarin and acrylic Pluronic F-127 and its photo- and thermo-responsive release property. *Biotechnology and Bioprocess Engineering*, **2017**, 22, 481-488	3.1	9
117	UV light and thermo-sensitive disassembling and release property of the assembly of cinnamic acid and poly(ethyleneimine). *Soft Materials*, **2017**, 15, 282-291	1.7	1
116	Microwave-irradiated green synthesis of gold nanoparticles for catalytic and anti-bacterial activity. *Journal of Analytical Science and Technology*, **2017**, 8,	3.4	18
115	Effect of surfactants on temperature-dependent self-assembling property of copolyethylenimine/cinnamic acid aqueous mixture. *Journal of Dispersion Science and Technology*, **2017**, 38, 1415-1420	1.5	
114	Microwave-Assisted Green Synthesis of Gold Nanoparticles Using Olibanum Gum (Boswellia serrate) and its Catalytic Reduction of 4-Nitrophenol and Hexacyanoferrate (III) by Sodium Borohydride. *Journal of Cluster Science*, **2017**, 28, 917-935	3	29
113	Eco-friendly green synthesis of silver nanoparticles using salmalia malabarica: synthesis, characterization, antimicrobial, and catalytic activity studies. *Applied Nanoscience (Switzerland)*, **2016**, 6, 681-689	3.3	47
112	Doxorubicin-loaded microgels composed of cinnamic acid-gelatin conjugate and cinnamic acid-Pluronic F127 conjugate. *Pharmaceutical Development and Technology*, **2016**, 21, 296-301	3.4	5

111	A novel green synthesis and characterization of silver nanoparticles using gum tragacanth and evaluation of their potential catalytic reduction activities with methylene blue and Congo red dyes. *Journal of Analytical Science and Technology*, **2016**, 7,	3.4	75
110	Hydrophobically modified poly(vinyl alcohol) and boric acid-containing monoolein cubic phase as a glucose-responsive vehicle. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2016**, 506, 678-685	5.1	8
109	In vitro anti-inflammatory efficacies of liposomal suspensions of acetylsalicylic acid. *Biotechnology and Bioprocess Engineering*, **2016**, 21, 659-666	3.1	2
108	Glucose-Responsive Monoolein Cubic Phase Containing Glucose Oxidase. *Journal of Dispersion Science and Technology*, **2016**, 37, 1518-1525	1.5	2
107	Characterization of Cinnamic Acid-Attached Nonionic Amphiphiles in UV Extinction, Emulsification, and In Vitro Toxicity. *Journal of Dispersion Science and Technology*, **2016**, 37, 104-112	1.5	1
106	In vivo residence duration of human growth hormone loaded in nanogels comprising cinnamoyl alginate, cinnamoyl Pluronic F127 and cinnamoyl poly(ethylene glycol). *International Journal of Pharmaceutics*, **2016**, 509, 229-236	6.5	7
105	Thermo-triggerable self-assembly comprising cinnamoyl polymeric □-cyclodextrin and cinnamoyl Pluronic F127. *Colloids and Surfaces B: Biointerfaces*, **2016**, 142, 148-158	6	6
104	Concentration and temperature-sensitive assembling behavior of polyethyleneimine□cinnamic acid conjugate and its release-controlling property in monoolein cubic phase. *Journal of Industrial and Engineering Chemistry*, **2016**, 36, 215-223	6.3	8
103	Reduction-responsive monoolein cubic phase containing hydrophobically modified poly(ethylene imine) and dithiodipropionic acid. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2016**, 506, 526-534	5.1	16
102	Redox-responsive alginate microsphere containing cystamine. *Journal of Biomaterials Science, Polymer Edition*, **2016**, 27, 1520-33	3.5	10
101	In vivo anti-obesity efficacy of fucoxanthin-loaded emulsions stabilized with phospholipid. *Journal of Pharmaceutical Investigation*, **2016**, 46, 669-675	6.3	6
100	In situ preparation of gold nanospheres in bead composed of alginate/poly(N-isopropylacrylamide-co-dimethyl aminoethyl methacrylate) and photothermal controlled release. *Colloid and Polymer Science*, **2015**, 293, 1425-1435	2.4	5
99	Green chemistry approach for the synthesis of gold nanoparticles with gum kondagogu: characterization, catalytic and antibacterial activity. *Journal of Nanostructure in Chemistry*, **2015**, 5, 185-193	7.6	53
98	Enhanced separator properties by coating alumina nanoparticles with poly(2-acrylamido-2-methyl-1-propanesulfonic acid) binder for lithium-ion batteries. *Korean Journal of Chemical Engineering*, **2015**, 32, 717-722	2.8	11
97	Cubic Phase Magnetic Nanoparticles. *Molecular Crystals and Liquid Crystals*, **2015**, 607, 123-134	0.5	3
96	UV-Absorbing and Emulsifying Property of Cinnamic Acid-Conjugated Gelatin. *Journal of Dispersion Science and Technology*, **2015**, 36, 1000-1008	1.5	5
95	Catalytic reduction of methylene blue and Congo red dyes using green synthesized gold nanoparticles capped by salmalia malabarica gum. *International Nano Letters*, **2015**, 5, 215-222	5.7	199
94	Upper critical solution temperature behavior of cinnamic acid and polyethyleneimine mixture and its effect on temperature-dependent release of liposome. *International Journal of Pharmaceutics*, **2015**, 494, 172-9	6.5	15

93	Preparation and photothermal induced release from cubic phase containing gold nanoparticle. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2015**, 465, 59-66	5.1	21
92	Human growth hormone-loaded nanogels composed of cinnamoyl alginate, cinnamoyl Pluronic F127, and cinnamoyl poly(ethylene glycol). *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	1
91	Catalytic Reduction of p-Nitrophenol and Hexacyanoferrate (III) by Borohydride Using Green Synthesized Gold Nanoparticles. *Journal of the Chinese Chemical Society*, **2015**, 62, 420-428	1.5	22
90	Nanogels Composed of Cinnamoyl Alginate and Cinnamoyl Pluronic F127. *Journal of Dispersion Science and Technology*, **2015**, 36, 377-383	1.5	11
89	Hydroxyethyl Acrylate-Based Polymeric Amphiphiles Showing Lower Critical Solution Temperature. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2015**, 52, 138-146	2.2	8
88	Preparation of calcium chloride-loaded solid lipid particles and heat-triggered calcium ion release. *Korean Journal of Chemical Engineering*, **2015**, 32, 1618-1624	2.8	
87	Effect of cubic phase nanoparticle on obesity-suppressing efficacy of herbal extracts. *Biotechnology and Bioprocess Engineering*, **2015**, 20, 1005-1015	3.1	5
86	Hydroxyethyl acrylate-based copolymer-immobilized liposomes as UV and thermo dual-triggerable carriers. *European Journal of Lipid Science and Technology*, **2015**, 117, 45-54	3	1
85	Thermo- and UV Photo-Triggerable Monoolein Cubic Phase Bearing Poly(Hydroxyethyl Acrylate-co-Coumaryl Acrylate-co-Octadecyl Acrylate). *Journal of Dispersion Science and Technology*, **2015**, 36, 803-810	1.5	5
84	Physicochemical properties of mixed micelles composed of chitosan–cinnamic acid conjugate and Pluronic F127-cinnamic acid conjugate. *Journal of Industrial and Engineering Chemistry*, **2015**, 23, 206-212	6.3	6
83	A Novel Green Synthesis of Silver Nanoparticles Using Gum Karaya: Characterization, Antimicrobial and Catalytic Activity Studies. *Journal of Cluster Science*, **2014**, 25, 409-422	3	34
82	Poly(hydroxyethyl acrylate-co-coumaryl acrylate) as a photo-responsive amphiphile. *Journal of Industrial and Engineering Chemistry*, **2014**, 20, 3075-3080	6.3	7
81	Ethylcellulose Microparticles Containing Photo Cross-Linked Poly(vinyl alcohol)-Coumarin Conjugate. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2014**, 63, 11-16	3	
80	7-acetoxycoumarin dimer-incorporated and folate-decorated liposomes: photoresponsive release and in vitro targeting and efficacy. *Bioconjugate Chemistry*, **2014**, 25, 533-42	6.3	16
79	Tween 20-cinnamic acid conjugate as a UV-absorbing emulsifier. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2014**, 453, 62-67	5.1	5
78	Light- and temperature-responsive liposomes incorporating cinnamoyl Pluronic F127. *International Journal of Pharmaceutics*, **2014**, 468, 243-9	6.5	23
77	A novel green one-step synthesis of silver nanoparticles using chitosan: catalytic activity and antimicrobial studies. *Applied Nanoscience (Switzerland)*, **2014**, 4, 113-119	3.3	127
76	Photo-responsive monoolein cubic phase incorporating hydrophobically modified poly(vinyl alcohol)–coumarin conjugate. *Polymer Engineering and Science*, **2014**, 54, 227-233	2.3	14

75	Photo and thermal properties of cinnamoyl Pluronic F-127. *Polymer International*, **2014**, 63, 501-506	3.3	14
74	□cyclodextrin/poly(vinyl alcohol) hydrogels containing phenylpropionic acid and naphthylamine: dual pH-sensitive release. *Polymer International*, **2014**, 63, 989-996	3.3	5
73	pH-triggerable and ultraviolet-triggerable □cyclodextrin microgel. *Polymers for Advanced Technologies*, **2014**, 25, 905-911	3.2	0
72	Alginate microspheres incorporating poly(hydroxyethyl acrylate-co-coumaryl acrylate-co-2-ethylhexyl acrylate) : Effect of temperature and UV irradiation on FITC-dextran release. *Korean Journal of Chemical Engineering*, **2014**, 31, 1903-1909	2.8	1
71	Cinnamoyl Pluronic F127 as a Stimuli-Sensitive Amphiphile. *Journal of Dispersion Science and Technology*, **2014**, 35, 1801-1808	1.5	2
70	Efficient pH dependent drug delivery to target cancer cells by gold nanoparticles capped with carboxymethyl chitosan. *International Journal of Molecular Sciences*, **2014**, 15, 8216-34	6.3	109
69	Solvent Extraction of Fucoxanthin from Phaeodactylum tricornutum. *Separation Science and Technology*, **2014**, 49, 410-415	2.5	11
68	Preparation of vesicles composed of 2-(hexadecyloxy) cinnamic acid and N-[3-(dimethylamino) propyl]-octadecanamide and their photo- and pH-responsive release property. *Colloid and Polymer Science*, **2014**, 292, 965-970	2.4	6
67	In Vitro Small Intestinal Absorption Enhancement of S-164 by Monoolein Cubic Phase Nanoparticles. *Journal of Dispersion Science and Technology*, **2013**, 34, 511-515	1.5	1
66	Microgels of poly(hydroxyethyl acrylate-co-coumaryl acrylate-co-octadecyl acrylate): photo-responsive release. *Colloid and Polymer Science*, **2013**, 291, 2319-2327	2.4	15
65	The effect of UV irradiation on air/water interfacial activity of Tween 20□oumarin conjugates. *Colloid and Polymer Science*, **2013**, 291, 2311-2318	2.4	5
64	Photo-responsive microspheres prepared using hydrophobically modified poly(vinyl alcohol)-coumarin conjugate. *Colloid Journal*, **2013**, 75, 668-676	1.1	5
63	Development, evaluation and characterization of surface solid dispersion for solubility and dispersion enhancement of irbesartan. *Journal of Pharmacy Research*, **2013**, 7, 472-477		9
62	Photo-responsive microgels composed of polymeric □cyclodextrin and Tween 20-coumarin conjugate. *Korean Journal of Chemical Engineering*, **2013**, 30, 245-250	2.8	7
61	Preparation and Characterization of Cubosomal KIOM-C Suspension and Investigation on In Vitro Small Intestinal Absorption of Baicalin. *Journal of Dispersion Science and Technology*, **2013**, 34, 252-258	1.5	2
60	In vitro small intestinal absorption and pH stability of tableted KIOM-C and KIOM-MA-128. *Korean Journal of Chemical Engineering*, **2013**, 30, 1929-1933	2.8	
59	Emulsions Stabilized with poly(Hydroxyethyl Acrylate-co-Coumaryl Acrylate-co-2-Ethylhexyl acrylate). *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2013**, 50, 855-860	2.2	12
58	Temperature-driven Precipitation of poly(N-isopropylacrylamide-co-methacrylic acid) in Cationic, Anionic and Nonionic Surfactant Solutions. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2013**, 50, 1054-1059	2.2	3

57	Chemical Stability and Skin Permeation of Fucoxanthin-Loaded Microemulsions. *Journal of Drug Delivery Science and Technology*, **2013**, 23, 597-601	4.5	5
56	Thermo- and pH-Responsiveness of Emulsions Stabilized with Acidic Thermosentive Polymers. *Journal of Dispersion Science and Technology*, **2013**, 34, 1280-1285	1.5	5
55	Microgels composed of poly(ethylene imine) and carboxymethoxycoumarin: pH-dependent and photodependent integrity. *Journal of Applied Polymer Science*, **2013**, 129, 644-651	2.9	4
54	Effects of additives on phase transitions of Poloxamer 407/Poloxamer 188 mixture and release property of monoolein cubic phase containing the poloxamers. *Journal of Industrial and Engineering Chemistry*, **2012**, 18, 88-91	6.3	15
53	Self-assembly of coumarin-conjugated acidic proteinoids. *Polymer Science - Series A*, **2012**, 54, 358-363	1.2	4
52	Photodependent release from poly(vinyl alcohol)/epoxypropoxy coumarin hydrogels. *Journal of Applied Polymer Science*, **2012**, 124, 4339-4345	2.9	30
51	Chitosan microgel: Effect of cross-linking density on pH-dependent release. *Korean Journal of Chemical Engineering*, **2012**, 29, 72-76	2.8	5
50	In Vitro Skin Permeation Enhancement of KIOM-MA-128 by Monoolein Cubosomes. *Journal of Dispersion Science and Technology*, **2012**, 33, 1503-1508	1.5	8
49	Poly(vinyl alcohol) hollow microcapsules prepared by emulsification, salting out, and photo cross-linking method. *Korean Journal of Chemical Engineering*, **2012**, 29, 1108-1113	2.8	8
48	□Cyclodextrin hydrogel incorporating hydrophobically modified poly(N-isopropylacrylamide) for a temperature-dependent release. *Polymers for Advanced Technologies*, **2012**, 23, 425-430	3.2	8
47	Release property of microgels formed by electrostatic interaction between poly(N-isopropylacrylamide-co-methacrylic acid) and poly(N-isopropylacrylamide-co-dimethylaminoethylmethacrylate). *Journal of Applied Polymer Science*, **2012**, 125, 1993-1999	2.9	7
46	Effect of photo-dimerization of coumarins on their interaction with polymeric □cyclodextrin. *Korean Journal of Chemical Engineering*, **2012**, 29, 323-328	2.8	9
45	Hydrogel of □cyclodextrin-Grafted Polyethyleneimine: pH-Sensitive Release. *Journal of Dispersion Science and Technology*, **2012**, 33, 1233-1239	1.5	2
44	Synthesis of Stable Silver Nanoparticles Using Gum Acacia as Reducing and Stabilizing Agent and Study of Its Microbial Properties: A Novel Green Approach. *International Journal of Green Nanotechnology*, **2012**, 4, 199-206		31
43	Effects of Surfactants on Phase Transition of Poly(N-isopropylacrylamide) and Poly(N-isopropylacrylamide-co-dimethylaminoethylmethacrylate). *Journal of Dispersion Science and Technology*, **2012**, 33, 272-277	1.5	9
42	Effects of Hydroxypropyl Cyclodextrins on Photo-Reactions of Coumarins. *Journal of Dispersion Science and Technology*, **2012**, 33, 611-616	1.5	1
41	Microgels formed by electrostatic and hydrophobic interaction of naphthaleneacetic acid with □cyclodextrin-grafted polyethyleneimine. *Colloid and Polymer Science*, **2011**, 289, 1177-1183	2.4	8
40	Egg phosphatidylcholine and dioleoylphosphatidylethanolamine liposomes containing acid proteinoid: Comparison of pH-sensitivity. *European Journal of Lipid Science and Technology*, **2011**, 113, 146-151	3	6

39	Effect of hydrophobic comonomer content on assembling of poly (N-isopropylacrylamide) and thermal properties. *Journal of Applied Polymer Science*, **2011**, 120, 2346-2353	2.9	6
38	Effects of Hydroxypropyl Cyclodextrins on Phase Transition Temperatures of Poly(N-isopropylacrylamide) and Poly(N-isopropylacrylamide-co-octadecylacrylate). *Journal of Dispersion Science and Technology*, **2011**, 32, 1140-1144	1.5	1
37	Monoolein cubic phase containing acidic proteinoid: pH-dependent release. *Drug Development and Industrial Pharmacy*, **2011**, 37, 56-61	3.6	34
36	pH-Dependent Release from Monoolein Cubic Phase Containing Hydrophobically Modified Chitosan. *Journal of Dispersion Science and Technology*, **2011**, 32, 480-484	1.5	7
35	10.2478/s11814-009-0268-6 **2011**, 26, 1821		
34	Release Property of Alginate Beads Coated with Poly(N-isopropylacrylamide-co-dimethylaminoethylmethacrylate). *Journal of Dispersion Science and Technology*, **2010**, 31, 1685-1690	1.5	3
33	Preparation and In Vitro Skin Permeation of Cubosomes Containing Hinokitiol. *Journal of Dispersion Science and Technology*, **2010**, 31, 1004-1009	1.5	20
32	pH-dependent release from ethylcellulose microparticles containing alginate and calcium carbonate. *Colloid and Polymer Science*, **2010**, 288, 265-270	2.4	8
31	In vitro skin permeation of cubosomes containing water soluble extracts of Korean barberry. *Colloid Journal*, **2010**, 72, 205-210	1.1	17
30	Preparations and temperature- and pH-dependent release property of ethylcellulose microcapsules containing N-isopropylacrylamide copolymer. *Journal of Applied Polymer Science*, **2010**, 118, 421-427	2.9	10
29	Stability, Release Property and Skin Penetration of Stearic Acid Nanoparticles. *Molecular Crystals and Liquid Crystals*, **2009**, 508, 137/[499]-149/[511]	0.5	1
28	In Vitro Skin Permeation Enhancement of Asiaticoside by Liquid Crystal Vesicles. *Molecular Crystals and Liquid Crystals*, **2009**, 508, 191/[553]-199/[561]	0.5	3
27	Glucose-triggered release from liposomes incorporating poly(N-isopropylacrylamide-co-methacrylic acid-co-octadecylacrylate) and glucose oxidase. *Colloid and Polymer Science*, **2009**, 287, 379-384	2.4	22
26	Polymeric nanoparticles prepared using salt bridges between [(dimethylamino)propyl]-octadecanamide and poly(N-isopropylacrylamide-co-methacrylic acid). *Colloid and Polymer Science*, **2009**, 287, 893-898	2.4	7
25	pH sensitivities of egg phosphatidylcholine liposomes and dioleoylphosphatidylethanolamine liposomes triggered by poly(N-isopropylacrylamide-co-methacrylic acid-co-octadecylacrylate). *Colloid and Polymer Science*, **2009**, 287, 1065-1070	2.4	6
24	Alginate beads containing pH-sensitive liposomes and glucose oxidase: glucose-sensitive release. *Colloid and Polymer Science*, **2009**, 287, 1207-1214	2.4	15
23	Effect of a non-ionic surfactant on skin-retention of cationic minoxidil microparticles suspended in an anionic surfactant solution. *Korean Journal of Chemical Engineering*, **2009**, 26, 1821-1824	2.8	2
22	Integrities and Skin Permeation-Enhancing Characteristics of Behenic Acid Nanoparticles. *Journal of Dispersion Science and Technology*, **2009**, 30, 149-154	1.5	4

21	pH- and Temperature-sensitive Nanoparticles Prepared using Salt Bridge. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2009**, 46, 959-966	2.2	1
20	pH-Sensitive Cationic Vesicles Prepared Using N-[3-(Dimethylamino)propyl]-Octadecanamide and Stearic Acid. *Molecular Crystals and Liquid Crystals*, **2009**, 508, 200/[562]-213/[575]	0.5	3
19	pH-dependent release property of dioleoylphosphatidyl ethanolamine liposomes. *Korean Journal of Chemical Engineering*, **2008**, 25, 390-393	2.8	15
18	Liposomes incorporating hydrophobically modified glucose oxidase. *Korean Journal of Chemical Engineering*, **2008**, 25, 1221-1225	2.8	17
17	pH-sensitivity and air/water interfacial activity of poly(N-isopropylacrylamide-co-methacrylic acid-co-octadecyl acrylate). *Journal of Applied Polymer Science*, **2008**, 108, 3707-3712	2.9	10
16	Release behavior of freeze-dried alginate beads containing poly(N-isopropylacrylamide) copolymers. *Journal of Applied Polymer Science*, **2008**, 110, 117-123	2.9	23
15	Physical and Electrochemical Properties of PVdF-HFP/SiO2-Based Polymer Electrolytes Prepared Using Dimethyl Acetamide Solvent and Water Non-Solvent. *Macromolecular Chemistry and Physics*, **2007**, 208, 887-895	2.6	12
14	Characterization and In-vitro Permeation Study of Stearic Acid Nanoparticles containing Hinokitiol. *JAOCS, Journal of the American Oil Chemistsm Society*, **2007**, 84, 859-863	1.8	10
13	Characteristics of PVdF-HFP/TiO2 Composite Electrolytes Prepared by a Phase Inversion Technique Using Dimethyl Acetamide Solvent and Water Non-Solvent. *Macromolecular Materials and Engineering*, **2006**, 291, 1495-1502	3.9	22
12	Preparation and characterization of chitosan/gelatin microcapsules containing triclosan. *Colloids and Surfaces B: Biointerfaces*, **2006**, 52, 52-6	6	41
11	Monoolein cubic phases containing hydrogen peroxide. *Colloids and Surfaces B: Biointerfaces*, **2004**, 36, 161-6	6	28
10	Surface modification of vesicles with methylol urea. *JAOCS, Journal of the American Oil Chemistsm Society*, **2002**, 79, 1235-1239	1.8	5
9	Temperature-sensitive releases from liposomes containing hydrophobically modified poly(N-isopropylacrylamide). *Korean Journal of Chemical Engineering*, **1999**, 16, 28-33	2.8	23
8	Protective and retentive effects of liposomes on water-degradable hydrocortisone acetate in dermatological applications. *Korean Journal of Chemical Engineering*, **1999**, 16, 56-63	2.8	6
7	Hemolytic and antifungal activity of liposome-entrapped amphotericin B prepared by the precipitation method. *Pharmaceutical Development and Technology*, **1997**, 2, 275-84	3.4	10
6	Complexation of amphotericin B with egg phosphatidylcholine liposomes. *Archives of Pharmacal Research*, **1995**, 18, 84-89	6.1	2
5	Synthesis of temperature-responsive P(vinyl pyrrolidone-co-methyl methacrylate) micelle for controlled drug release. *Journal of Dispersion Science and Technology*,1-10	1.5	0
4	Complex Coacervation of Hydrophobically Modified Gelatin and Poly(ethyleneimine). *Journal of Macromolecular Science - Physics*,1-15	1.4	

3	Reduction and temperature-responsive hydrogel composed of hydroxyethyl disulfide-bis-glycidyl ether-crosslinked poly(hydroxyethyl acrylate-co-methyl methacrylate). *International Journal of Polymeric Materials and Polymeric Biomaterials*,1-10	3	2
2	Electric field-responsive ion pair self-assembly. *International Journal of Polymeric Materials and Polymeric Biomaterials*,1-12	3	
1	Guar gum-g-poly(N-acryloyl-L-phenyl alanine) based pH responsive smart hydrogels for in-vitro anticancer drug delivery. *Soft Materials*,1-15	1.7	