Jong-Duk Kim

List of Publications by Year
in descending order

124	3,752	186265	138484
papers	citations	28 h-index	58 g-index

126	126	126	5784
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Functionalized Magnetic PLGA Nanospheres for Targeting and Bioimaging of Breast Cancer. Journal of Nanoscience and Nanotechnology, 2018, 18, 1542-1547.	0.9	14
2	Hierarchical zinc oxide/graphene oxide composites for energy storage devices. Journal of Alloys and Compounds, 2018, 739, 522-528.	5.5	43
3	Cross-linked magnetic nanoparticles with a biocompatible amide bond for cancer-targeted dual optical/magnetic resonance imaging. Colloids and Surfaces B: Biointerfaces, 2018, 161, 183-191.	5.0	31
4	Simple and direct synthesis of ZnO decorated multi-walled carbon nanotube for supercapacitor electrodes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 23-27.	4.7	25
5	Synthesis of ZnO/activated carbon with high surface area for supercapacitor electrodes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 555, 482-490.	4.7	55
6	Hard Surface-adhesive Properties of TiO2 Nanoparticles-encapsulated Microparticles Prepared by Spray Drying and Surface Coating Method. Fibers and Polymers, 2018, 19, 1303-1308.	2.1	0
7	Simultaneous cell disruption and lipid extraction in a microalgal biomass using a nonpolar tertiary amine. Bioresource Technology, 2017, 232, 142-145.	9.6	20
8	Sustainable delivery of a sex pheromone with an ester wax to disrupt Grapholita molesta mating. Macromolecular Research, 2017, 25, 374-380.	2.4	2
9	Preparation and characterization of N, S-codoped activated carbon-derived asphaltene used as electrode material for an electric double layer capacitor. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 529, 107-112.	4.7	26
10	Sustainable fabrication of nitrogen activated carbon from chlorella vulgaris for energy storage devices. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 529, 102-106.	4.7	24
11	A novel microalgal lipid extraction method using biodiesel (fatty acid methyl esters) as an extractant. Bioresource Technology, 2017, 226, 94-98.	9.6	13
12	Electrochemical properties and characterization of various ZnO structures using a precipitation method. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 512, 87-92.	4.7	16
13	Partially Oxidized Asphaltene as a Bitumen Viscosity Reducer. Energy & Fuels, 2017, 31, 9240-9246.	5.1	20
14	Nitrogen doped activated carbon with nickel oxide for high specific capacitance as supercapacitor electrodes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 533, 323-329.	4.7	31
15	Starch composites and their reduction of air permeation for self-extinguishable paper. Macromolecular Research, 2017, 25, 1085-1090.	2.4	3
16	The effect of dexamethasone/cell-penetrating peptide nanoparticles on gene delivery for inner ear therapy. International Journal of Nanomedicine, 2016, Volume 11, 6123-6134.	6.7	24
17	Asphaltene precipitation with partially oxidized asphaltene from water/heavy crude oil emulsion. Journal of Petroleum Science and Engineering, 2016, 146, 21-29.	4.2	23
18	Electrochemical properties of multi-walled carbon nanotubes treated with nitric acid for a supercapacitor electrode. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 506, 664-669.	4.7	17

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19	Nickel oxide nanoparticle-based method for simultaneous harvesting and disruption of microalgal cells. Bioresource Technology, 2016, 218, 1290-1293.	9.6	32
20	Reversible Chromatic Response of Polydiacetylene Derivative Vesicles in D₂O Solvent. Langmuir, 2016, 32, 882-888.	3.5	33
21	Chromatic response of polydiacetylene vesicle induced by the permeation of methotrexate. Soft Matter, 2015, 11, 5037-5043.	2.7	13
22	Intratympanic delivery of oligoarginine-conjugated nanoparticles as a gene (or drug) carrier to the inner ear. Biomaterials, 2015, 73, 243-253.	11.4	40
23	A facile patterning of silver nanowires using a magnetic printing method. Nanotechnology, 2015, 26, 345301.	2.6	15
24	Antisolvent Precipitation of Potassium Bicarbonate from KHCO₃ + H₂O + Ethanol/2-Propanol Systems in the CO₂ Capture Process. Industrial & Engineering Chemistry Research, 2015, 54, 8287-8294.	3.7	2
25	Sensitivity limitation of the sensor fabricated with polydiacetylene. Journal of Industrial and Engineering Chemistry, 2015, 23, 279-284.	5.8	19
26	Development of a drug delivery system for the inner ear using poly(amino acid)-based nanoparticles. Drug Delivery, 2015, 22, 367-374.	5.7	17
27	Efficacy Test of Mating Disruptors Against Peach Fruit Moth, Grapholita molesta, using Polypropylene Dispenser Containing Ester Wax. Korean Journal of Applied Entomology, 2015, , 369-374.	0.3	2
28	New Type of Extraction Solvent for Algal Oils: Fatty Acid Methyl Esters. ACS Sustainable Chemistry and Engineering, 2014, 2, 2653-2657.	6.7	2
29	Controlled Selfâ€Assembly for Highâ€Resolution Magnetic Printing. Small, 2014, 10, 1081-1085.	10.0	6
30	Study of adsorption behaviors on a SiO2 surface using alkyl cationic modified starches. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 441, 449-458.	4.7	5
31	CO2 absorption kinetics in a CO2-free and partially loaded aqueous ammonia solution. Chemical Engineering Journal, 2014, 250, 83-90.	12.7	11
32	Cationic surfactant-based method for simultaneous harvesting and cell disruption of a microalgal biomass. Bioresource Technology, 2013, 149, 579-581.	9.6	70
33	Coreâ€“shell nanogel of PEGâ€“poly(aspartic acid) and its pH-responsive release of rh-insulin. Soft Matter, 2013, 9, 1781-1788.	2.7	39
34	Polymer-hybridized liposomes of poly(amino acid) derivatives as transepidermal carriers. Colloids and Surfaces B: Biointerfaces, 2013, 110, 333-338.	5.0	19
35	A direct surface modification of iron oxide nanoparticles with various poly(amino acid)s for use as magnetic resonance probes. Journal of Colloid and Interface Science, 2013, 391, 158-167.	9.4	33
36	Tumor-binding prodrug micelles of polymerâ€“drug conjugates for anticancer therapy in HeLa cells. Journal of Materials Chemistry, 2012, 22, 9385.	6.7	25

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37	Hydrothermal preparation of nitrogen-doped graphene sheets via hexamethylenetetramine for application as supercapacitor electrodes. Electrochimica Acta, 2012, 85, 459-466.	5.2	158
38	A Facile and Template-Free Hydrothermal Synthesis of Mn₃O₄ Nanorods on Graphene Sheets for Supercapacitor Electrodes with Long Cycle Stability. Chemistry of Materials, 2012, 24, 1158-1164.	6.7	728
39	Chargeâ€conversional poly(amino acid)s derivatives as a drug delivery carrier in response to the tumor environment. Journal of Biomedical Materials Research - Part A, 2012, 100A, 2027-2033.	4.0	16
40	Hierarchical Microspheres Based on Î±-Ni(OH)₂ Nanosheets Intercalated with Different Anions: Synthesis, Anion Exchange, and Effect of Intercalated Anions on Electrochemical Capacitance. Journal of Physical Chemistry C, 2011, 115, 19445-19454.	3.1	213
41	Cross-linked magnetic nanoparticles from poly(ethylene glycol) and dodecyl grafted poly(succinimide) as magnetic resonance probes. Chemical Communications, 2011, 47, 12518.	4.1	26
42	Polymer-hybridized liposomes anchored with alkyl grafted poly(asparagine). Journal of Colloid and Interface Science, 2011, 364, 31-38.	9.4	25
43	The microfluidity and dissolution of hydrogenated PC liposome anchored with alkyl grafted poly(amino acid)s. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 391, 170-178.	4.7	10
44	Gold nanoparticles reinforce self-healing microgel multilayers. Colloid and Polymer Science, 2011, 289, 583-590.	2.1	27
45	Size and morphology controllable core crossâ€linked selfâ€aggregates from poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.3	15
46	Nanosheets based mesoporous NiO microspherical structures via facile and template-free method for high performance supercapacitors. Electrochimica Acta, 2011, 56, 4849-4857.	5.2	287
47	Anticancer therapeutic self-aggregates of sphingolipid metabolite-grafted poly(amino acid)-derivative and their enhanced intracellular delivery. Journal of Industrial and Engineering Chemistry, 2010, 16, 1011-1018.	5.8	11
48	Size and Morphology Control of Aggregates from Supramolecular Graft Copolymers Stabilized by Ionic Interaction. Macromolecular Chemistry and Physics, 2010, 211, 2434-2442.	2.2	6
49	HER2/neu Antibody Conjugated Poly(amino acid)-Coated Iron Oxide Nanoparticles for Breast Cancer MR Imaging. Biomacromolecules, 2010, 11, 2866-2872.	5.4	82
50	Size-controlled layered zinc hydroxide intercalated with dodecyl sulfate: effect of alcohol type on dodecyl sulfate template. CrystEngComm, 2010, 12, 3249.	2.6	28
51	Poly(amino acid)s micelle-mediated assembly of magnetite nanoparticles for ultra-sensitive long-term MR imaging of tumors. Chemical Communications, 2010, 46, 3559.	4.1	29
52	Tunable phase transition behaviors of pH-sensitive polyaspartamides having various cationic pendant groups. Colloid and Polymer Science, 2009, 287, 919-926.	2.1	13
53	Mucoadhesive interaction of cysteine grafted poly(2-hydroxyethyl aspartamide) with pig mucin layer of surface plasmon resonance biosensor. Journal of Industrial and Engineering Chemistry, 2009, 15, 578-583.	5.8	12
54	Poly(amino acid)-coated iron oxide nanoparticles as ultra-small magnetic resonance probes. Journal of Materials Chemistry, 2009, 19, 4566.	6.7	58

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55	Intracellular delivery enhancement of poly(amino acid) drug carriers by oligoarginine conjugation. Journal of Biomedical Materials Research - Part A, 2008, 86A, 137-148.	4.0	21
56	Aqueous self-assembly of amphiphilic nanocrystallo-polymers and their surface-active properties. Soft Matter, 2008, 4, 349-356.	2.7	9
57	Dynamic Formation of Diffraction Grating in a Photorefractive Liquid Crystal Cell With Mesoporous $hbox{TiO}_{2}$ Layers. IEEE Nanotechnology Magazine, 2008, 7, 115-119.	2.0	1
58	Biodegradable Polymersomes from Poly(2-hydroxyethyl aspartamide) Grafted with Lactic Acid Oligomers in Aqueous Solution. Macromolecules, 2006, 39, 4938-4940.	4.8	80
59	Enhanced diffraction efficiency in a photorefractive liquid crystal cell with poly(9-vinylcarbazole)-infiltrated mesoporous TiO<inf>2</inf> layers. , 2006, , .		0
60	A novel immobilization technique for surface plasmon resonance sensing. , 2006, , .		0
61	Histidine-conjugated poly(amino acid) derivatives for the novel endosomolytic delivery carrier of doxorubicin. Journal of Controlled Release, 2006, 114, 60-68.	9.9	103
62	Dynamic formation of diffraction grating in a photorefractive liqud crystal cell with mesoporous TiO<inf>2</inf> layers. , 2006, , .		0
63	Biodegradable poly(asparagine) grafted with poly(caprolactone) and the effect of substitution on self-aggregation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 264, 187-194.	4.7	17
64	Bioadhesive interaction and hypoglycemic effect of insulin-loaded lectinâ€“microparticle conjugates in oral insulin delivery system. Journal of Controlled Release, 2005, 102, 525-538.	9.9	92
65	Self-aggregates of oligoarginine-conjugated poly(amino acid) derivatives as a carrier for intracellular drug delivery. Biotechnology Letters, 2005, 27, 977-982.	2.2	9
66	Photo-dimerization of a chalcone-based side chain polymer for the alignment of ferroelectric liquid crystals. Liquid Crystals, 2004, 31, 639-647.	2.2	23
67	Magnetic Properties of Fe<tex>$_3$</tex>O<tex>$_4$</tex>Nanoparticles Encapsulated With Poly(D,L Lactide-Co-Glycolide). IEEE Transactions on Magnetics, 2004, 40, 3015-3017.	2.1	15
68	Rapid synthesis of mesoporous silica by an accelerated microwave radiation method. Korean Journal of Chemical Engineering, 2004, 21, 1224-1230.	2.7	7
69	Magnetic properties of Î³-Fe2O3 nanoparticles made by coprecipitation method. Physica Status Solidi (B): Basic Research, 2004, 241, 1593-1596.	1.5	84
70	Fast Responsive Nanoparticles of Hydrophobically Modified Poly(Amino Acid)s and Proteinoids. , 2004, , .		1
71	Self-aggregates of hydrophobically modified poly(2-hydroxyethyl aspartamide) in aqueous solution. Colloid and Polymer Science, 2003, 281, 852-861.	2.1	23
72	Aggregation behaviors and their pH sensitivity of cholesterol-conjugated proteinoids composed of glutamic acid and aspartic acid matrix. Journal of Biomedical Materials Research Part B, 2003, 64A, 282-290.	3.1	10

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73	Polymer micelle-like aggregates of novel amphiphilic biodegradable poly(asparagine) grafted with poly(caprolactone). Polymer, 2003, 44, 583-591.	3.8	80
74	Electro-optical response of ferroelectric liquid crystal cells with photo-dimerization alignment layer. Optical Materials, 2003, 21, 651-656.	3.6	2
75	Contrast ratio and switching of zigzag defect-free surface stabilized FLCD by photoinduced alignment. Liquid Crystals, 2002, 29, 583-587.	2.2	8
76	Micellar Aggregation and Structure of Dodecyl Heptaethoxylates (C12E7) with Different Oxyethylene Distributions in Aqueous Media. Langmuir, 2002, 18, 8749-8755.	3.5	9
77	Mixed Cationicâ^'Nonionic Surfactant Templating Approach for the Synthesis of Mesoporous Silica. Langmuir, 2002, 18, 6110-6115.	3.5	26
78	Demulsification of water-in-crude oil emulsions by a continuous electrostatic dehydrator. Separation Science and Technology, 2002, 37, 1307-1320.	2.5	62
79	Self-aggregates of poly(2-hydroxyethyl aspartamide) copolymers loaded with methotrexate by physical and chemical entrapments. Journal of Controlled Release, 2002, 81, 135-144.	9.9	62
80	Novel evaluation method for the water- in- oil (W/O) emulsion stability by Turbidity Ratio Measurements. Korean Journal of Chemical Engineering, 2002, 19, 425-430.	2.7	22
81	Optical retardation and FT-IR characteristics of rubbed polyimide langmuir-blodgett alignment layers of liquid crystals. Korean Journal of Chemical Engineering, 2002, 19, 474-479.	2.7	1
82	Swelling and deswelling transition of water-soluble poly(N-isopropylacrylamide) by a method of blob rescaling. Korean Journal of Chemical Engineering, 2002, 19, 803-807.	2.7	4
83	Surface modification of vesicles with methylol urea. JAOCS, Journal of the American Oil Chemists' Society, 2002, 79, 1235-1239.	1.9	6
84	The effect of polydispersity on the static and dynamic behavior of dodecyl ethoxylates at the airâ€“water interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 207, 161-167.	4.7	4
85	Effects of Grafted Alkyl Groups on Aggregation Behavior of Amphiphilic Poly(aspartic acid). Langmuir, 2001, 17, 7501-7506.	3.5	101
86	Photorefractive Effect in Nematic Liquid Crystal Cell with Sandwiched Structure. Materials Research Society Symposia Proceedings, 2001, 709, 1.	0.1	0
87	In situ photopolymerization of polymerizable liquid crystals with a mixture of poly(amic acid) alkylamine salt at the airâ€“water interface. Thin Solid Films, 2001, 385, 142-151.	1.8	0
88	Zigzag defect-free alignment of surface stabilized ferroelectric liquid crystal cells with a polyimide irradiated by polarized UV light. Liquid Crystals, 2001, 28, 1715-1721.	2.2	11
89	Fabrication of the Alignment Layer with Cavities by using Two Dimensional Template of Polystyrene Latex Array. Molecular Crystals and Liquid Crystals, 2001, 368, 573-580.	0.3	0
90	Monolayers of Poly(Î±,Î²-aspartic acid) with Long Alkyl Chains and Miscibility with L-Î±-Phosphatidylcholine at Air-Water Interface. Molecular Crystals and Liquid Crystals, 2001, 371, 29-32.	0.3	0

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91	Transport and trapping of photocharges in liquid crystals placed between photoconductive polymer layers. Applied Physics Letters, 2001, 79, 1933-1935.	3.3	27
92	Langmuir Monolayer of Alkyl Polyglycoside in Concentrated NaCl Solution. Molecular Crystals and Liquid Crystals, 2000, 349, 239-242.	0.3	1
93	Rapid Evaluation of Water-in-Oil (w/o) Emulsion Stability by Turbidity Ratio Measurements. Journal of Colloid and Interface Science, 2000, 230, 213-215.	9.4	60
94	Alignment control of liquid crystals on surface relief gratings. Liquid Crystals, 2000, 27, 1633-1640.	2.2	38
95	Analysis of Equilibrium PSA Performance with an Analytical Solution. Adsorption, 1999, 5, 245-259.	3.0	3
96	Relationship between Pretilt Angle of Nematic Liquid Crystal and Surface Structure of Alignment Layer. Molecular Crystals and Liquid Crystals, 1999, 337, 515-518.	0.3	3
97	Temperature-sensitive releases from liposomes containing hydrophobically modified poly(N-isopropylacrylamide). Korean Journal of Chemical Engineering, 1999, 16, 28-33.	2.7	24
98	Protective and retentive effects of liposomes on water-degradable hydrocortisone acetate in dermatological applications. Korean Journal of Chemical Engineering, 1999, 16, 56-63.	2.7	6
99	Effectiveness of a new water-based oil spill dispersant comprised of an alkyl polyglycoside. Journal of Surfactants and Detergents, 1999, 2, 539-544.	2.1	5
100	Electrodialysis of Vanadium(III) and Iron(II) Ions from a Simulated Decontamination Solution. Separation Science and Technology, 1999, 34, 1963-1979.	2.5	5
101	Multi-Domain Alignment Films of Polystyrene/Polyimide of Liquid Crystals. Molecular Crystals and Liquid Crystals, 1999, 331, 297-304.	0.3	3
102	Spontaneous Noncentrosymmetric Alignment of Carbazole Polymers. Molecular Crystals and Liquid Crystals, 1998, 316, 83-86.	0.3	1
103	In situ Photopolymerization of Polymerizable Liquid Crystal at the Air-Water Interface. Molecular Crystals and Liquid Crystals, 1998, 316, 241-244.	0.3	6
104	Liquid Crystal Alignment Film with Mixture of Polyimide and Side Chain LC by Langmuir-Blodgett Technique. Molecular Crystals and Liquid Crystals, 1997, 304, 247-252.	0.3	2
105	Hemolytic and Antifungal Activity of Liposome-Entrapped Amphotericin B Prepared by the Precipitation Method. Pharmaceutical Development and Technology, 1997, 2, 275-284.	2.4	14
106	Formation of palladium precipitate by hydrazine in a simulated high level liquid waste. Journal of Radioanalytical and Nuclear Chemistry, 1996, 204, 265-274.	1.5	4
107	A novel hydrogel-dispersed composite membrane of poly(N-isopropylacrylamide) in a gelatin matrix and its thermally actuated permeation of 4-acetamidophen. Journal of Controlled Release, 1996, 38, 39-47.	9.9	56
108	The monolayer behavior and transfer characteristics of phospholipids at the air/water interface. Korean Journal of Chemical Engineering, 1996, 13, 46-53.	2.7	13

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109	Ternary liquid-liquid phase behavior by decorated-uniquac. Korean Journal of Chemical Engineering, 1996, 13, 439-447.	2.7	4
110	Surface Properties of Rubbed Polyimide for Alignment of Liquid Crystal. Molecular Crystals and Liquid Crystals, 1996, 287, 229-237.	0.3	6
111	Complexation of amphotericin B with egg phosphatidylcholine liposomes. Archives of Pharmacal Research, 1995, 18, 84-89.	6.3	3
112	Production of High-Purity Nitrogen from Air by Pressure Swing Adsorption on Zeolite X. Separation Science and Technology, 1995, 30, 347-368.	2.5	8
113	The Preparation and Transfer Characteristics of Polyimide Langmuir-Blodgett Film for Liquid Crystal Alignment. Molecular Crystals and Liquid Crystals, 1995, 267, 157-162.	0.3	2
114	Electro-Optical Properties of the Antiparallel Liquid Crystal Cell. Molecular Crystals and Liquid Crystals, 1995, 263, 437-444.	0.3	2
115	Stability and transferability of monolayers of polyamic acid salts. Synthetic Metals, 1995, 71, 2097-2098.	3.9	5
116	Kinetics of Reduction of Uranium(VI) to Uranium(IV) at Titanium Electrode in Nitric Acid and Hydrazine Media. Journal of Nuclear Science and Technology, 1994, 31, 329-334.	1.3	7
117	Kinetics of Reduction of Uranium (VI) to Uranium (IV) at Titanium Electrode in Nitric Acid and Hydrazine Media.. Journal of Nuclear Science and Technology, 1994, 31, 329-334.	1.3	2
118	The Mono- and Multi-Layer Behaviors of 2,4-HDDA Doped with Stearic Acid Includingin situPolymerization. Molecular Crystals and Liquid Crystals, 1993, 227, 21-27.	0.3	2
119	Birefringence measurement on the liquid crystal by phase modulation technique. Korean Journal of Chemical Engineering, 1990, 7, 18-21.	2.7	3
120	ADSORPTION ISOTHERMS AND HEATS OF IMMERSION IN THE ADSORPTION OF BINARY MIXTURES ON ACTIVATED CARBON. Chemical Engineering Communications, 1990, 88, 1-10.	2.6	3
121	Blob calculation method for the liquid-liquid equilibria of polymer solutions. Fluid Phase Equilibria, 1989, 53, 331-338.	2.5	8
122	Phase behavior and solubilization of 1-hexanol in the water-continuous phases containing surface-active compounds. Korean Journal of Chemical Engineering, 1987, 4, 53-59.	2.7	14
123	Decorated lattice model for closed-loop liquid-liquid equilibria and its applications to pyridine derivatives-water mixtures. Korean Journal of Chemical Engineering, 1986, 3, 99-105.	2.7	4
124	Photorefractive effect in nematic liquid crystals doped with nonlinear optical chromophores. , 0, , .		0