Jin Woong Kim

List of Publications by Year
in descending order

88	1,819	331670 21	315739 38
papers	citations	h-index	g-index

93	93	93	2866
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Direct Observation of Wet Biological Samples by Graphene Liquid Cell Transmission Electron Microscopy. Nano Letters, 2015, 15, 4737-4744.	9.1	137
2	Rheology of cellulose nanofibrils in the presence of surfactants. Soft Matter, 2016, 12, 157-164.	2.7	93
3	Nanofluid Enhanced Oil Recovery Using Hydrophobically Associative Zwitterionic Polymer-Coated Silica Nanoparticles. Energy & Fuels, 2017, 31, 7777-7782.	5.1	90
4	Eâ€Skin Tactile Sensor Matrix Pixelated by Positionâ€Registered Conductive Microparticles Creating Pressureâ€Sensitive Selectors. Advanced Functional Materials, 2018, 28, 1801858.	14.9	86
5	Core Flooding of Complex Nanoscale Colloidal Dispersions for Enhanced Oil Recovery by in Situ Formation of Stable Oil-in-Water Pickering Emulsions. Energy & Fuels, 2016, 30, 2628-2635.	5.1	79
6	Enhanced-throughput production of polymersomes using a parallelized capillary microfluidic device. Microfluidics and Nanofluidics, 2013, 14, 509-514.	2.2	66
7	Highly Stretchable and Wearable Thermotherapy Pad with Micropatterned Thermochromic Display Based on Ag Nanowireâ€“Singleâ€Walled Carbon Nanotube Composite. Advanced Functional Materials, 2019, 29, 1901061.	14.9	66
8	The physical origins of transit time measurements for rapid, single cell mechanotyping. Lab on A Chip, 2016, 16, 3330-3339.	6.0	61
9	Janus colloid surfactant catalysts for in situ organic reactions in Pickering emulsion microreactors. Green Chemistry, 2018, 20, 2840-2844.	9.0	53
10	Synthesis of Monodisperse Biâ€Compartmentalized Amphiphilic Janus Microparticles for Tailored Assembly at the Oilâ€“Water Interface. Angewandte Chemie - International Edition, 2016, 55, 4509-4513.	13.8	47
11	Responsive Colloidal Polymer Particles with Ordered Mesostructures. Advanced Functional Materials, 2021, 31, 2008169.	14.9	45
12	Stabilization of pickering emulsions by generating complex colloidal layers at liquidâ€“liquid interfaces. Journal of Colloid and Interface Science, 2014, 413, 100-105.	9.4	41
13	Cell-Penetrating Peptide-Patchy Deformable Polymeric Nanovehicles with Enhanced Cellular Uptake and Transdermal Delivery. Biomacromolecules, 2018, 19, 2682-2690.	5.4	39
14	Magnetic-Patchy Janus Colloid Surfactants for Reversible Recovery of Pickering Emulsions. ACS Applied Materials & Interfaces, 2018, 10, 1408-1414.	8.0	36
15	Asymmetric functionalization of colloidal dimer particles with gold nanoparticles. Chemical Communications, 2012, 48, 9056.	4.1	35
16	Smart Cellulose Nanofluids Produced by Tunable Hydrophobic Association of Polymer-Grafted Cellulose Nanocrystals. ACS Applied Materials & Interfaces, 2017, 9, 31095-31101.	8.0	34
17	Bacterial cellulose nanofibrils-reinforced composite hydrogels for mechanical compression-responsive on-demand drug release. Carbohydrate Polymers, 2021, 272, 118459.	10.2	33
18	Bioinspired Synthesis of Mesoporous Gold-silica Hybrid Microspheres as Recyclable Colloidal SERS Substrates. Scientific Reports, 2017, 7, 14728.	3.3	30

#	Article	IF	Citations
19	Adjustable Intermolecular Interactions Allowing 2D Transition Metal Dichalcogenides with Prolonged Scavenging Activity for Reactive Oxygen Species. Small, 2018, 14, e1800026.	10.0	30
20	Photochemically Enhanced Selective Adsorption of Gold Ions on Tannin-Coated Porous Polymer Microspheres. ACS Applied Materials & Interfaces, 2019, 11, 21915-21925.	8.0	29
21	Enhancing membrane modulus of giant unilamellar lipid vesicles by lateral co-assembly of amphiphilic triblock copolymers. Journal of Colloid and Interface Science, 2020, 561, 318-326.	9.4	23
22	Nanoemulsion Vehicles as Carriers for Follicular Delivery of Luteolin. ACS Biomaterials Science and Engineering, 2018, 4, 1723-1729.	5.2	22
23	Effect of molecular architecture on micellization, drug loading and releasing of multi-armed poly(ethylene glycol)-b-poly(Îµ-caprolactone) star polymers. Colloid and Polymer Science, 2013, 291, 1817-1827.	2.1	21
24	Preparation of a biodegradable superabsorbent polymer and measurements of changes in absorption properties depending on the type of surfaceâ€crosslinker. Polymers for Advanced Technologies, 2020, 31, 273-283.	3.2	21
25	Cell-penetrating peptide-conjugated lipid/polymer hybrid nanovesicles for endoplasmic reticulum-targeting intracellular delivery. Journal of Materials Chemistry B, 2021, 9, 464-470.	5.8	20
26	Monodisperse Microshell Structured Gelatin Microparticles for Temporary Chemoembolization. Biomacromolecules, 2018, 19, 386-391.	5.4	19
27	ZnO nanoparticles-laden cellulose nanofibers-armored Pickering emulsions with improved UV protection and water resistance. Journal of Industrial and Engineering Chemistry, 2021, 96, 219-225.	5.8	19
28	Highly Stable Phase Change Material Emulsions Fabricated by Interfacial Assembly of Amphiphilic Block Copolymers during Phase Inversion. Langmuir, 2015, 31, 2649-2654.	3.5	18
29	Colloidal Pixelâ€Based Micropatterning Using Uniform Janus Microparticles with Tunable Anisotropic Particle Geometry. Advanced Functional Materials, 2019, 29, 1805392.	14.9	18
30	Bacterial cellulose nanofibrils-armored Pickering emulsions with limited influx of metal ions. Carbohydrate Polymers, 2021, 258, 117730.	10.2	18
31	Microfluidic fabrication and permeation behaviors of uniform zwitterionic hydrogel microparticles and shells. Journal of Colloid and Interface Science, 2014, 426, 162-169.	9.4	17
32	Combination of nanoparticles with photothermal effects and phase-change material enhances the non-invasive transdermal delivery of drugs. Colloids and Surfaces B: Biointerfaces, 2015, 135, 324-331.	5.0	17
33	Antigenâ€“Antibody Interactionâ€Derived Bioadhesion of Bacterial Cellulose Nanofibers to Promote Topical Wound Healing. Advanced Functional Materials, 2022, 32, .	14.9	17
34	Recyclable 2D Colloid Surfactants with High Catalytic Activities at Pickering Emulsion Interfaces. Advanced Functional Materials, 2022, 32, .	14.9	17
35	Photocrosslinkable Poly(Îµ-caprolactone)-b -Hyperbranched Polyglycerol (PCL-b -hbPG) with Improved Biocompatibility and Stability for Drug Delivery. Macromolecular Chemistry and Physics, 2015, 216, 1161-1170.	2.2	16
36	Structurally Stable Attractive Nanoscale Emulsions with Dipoleâ€“Dipole Interactionâ€Driven Interdrop Percolation. Chemistry - A European Journal, 2017, 23, 4292-4297.	3.3	16

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37	2-Dimensional colloidal micropatterning of cholesteric liquid crystal microcapsules for temperature-responsive color displays. Journal of Industrial and Engineering Chemistry, 2018, 68, 393-398.	5.8	15
38	Fabrication of cell penetrating peptide-conjugated bacterial cellulose nanofibrils with remarkable skin adhesion and water retention performance. International Journal of Pharmaceutics, 2021, 600, 120476.	5.2	15
39	Novel associative nanoparticles grafted with hydrophobically modified zwitterionic polymer brushes for the rheological control of aqueous polymer gel fluids. Polymer Chemistry, 2016, 7, 3471-3476.	3.9	14
40	Cellulose nanofiber-multilayered fruit peel-mimetic gelatin hydrogel microcapsules for micropackaging of bioactive ingredients. Carbohydrate Polymers, 2020, 229, 115559.	10.2	14
41	Boston Ivy Diskâ€Inspired Pressureâ€Mediated Adhesive Film Patches. Small, 2020, 16, e1904282.	10.0	14
42	Nanoemulsification of pseudo-ceramide by molecular association with mannosylerythritol lipid. Colloids and Surfaces B: Biointerfaces, 2014, 116, 597-602.	5.0	13
43	Cut-and-Paste Transferrable Pressure Sensing Cartridge Films. Chemistry of Materials, 2018, 30, 6410-6419.	6.7	13
44	Color-spectrum-broadened ductile cellulose films for vapor-pH-responsive colorimetric sensors. Journal of Industrial and Engineering Chemistry, 2019, 80, 590-596.	5.8	13
45	Structuring Pickering Emulsion Interfaces with Bilayered Coacervates of Cellulose Nanofibers and Hectorite Nanoplatelets. Langmuir, 2021, 37, 3828-3835.	3.5	13
46	Microfluidic production of monodisperse emulsions for cosmetics. Biomicrofluidics, 2021, 15, 051302.	2.4	13
47	Fabrication of monodisperse liposomes-in-microgel hybrid microparticles in capillary-based microfluidic devices. Colloids and Surfaces B: Biointerfaces, 2014, 123, 339-344.	5.0	12
48	Polyglycerolated nanocarriers with increased ligand multivalency for enhanced in vivo therapeutic efficacy of paclitaxel. Biomaterials, 2017, 145, 223-232.	11.4	12
49	Janus amphiphilic nanoplatelets as smart colloid surfactants with complementary face-to-face interactions. Chemical Communications, 2020, 56, 6031-6034.	4.1	12
50	Effect of composition on water permeability of model stratum corneum lipidmembranes. Soft Matter, 2012, 8, 1539-1546.	2.7	11
51	Segregation of mass at the periphery ofN-isopropylacrylamide-co-acrylic-acid microgels at high temperatures. Physical Review E, 2015, 92, 030302.	2.1	11
52	Effective association of ceramide-coassembled lipid nanovehicles with stratum corneum for improved skin barrier function and enhanced skin penetration. International Journal of Pharmaceutics, 2020, 579, 119162.	5.2	11
53	Synthesis of Monodisperse Biâ€Compartmentalized Amphiphilic Janus Microparticles for Tailored Assembly at the Oilâ€“Water Interface. Angewandte Chemie, 2016, 128, 4585-4589.	2.0	10
54	Light-activated polydopamine coatings for efficient metal recovery from electronic waste. Separation and Purification Technology, 2021, 254, 117674.	7.9	10

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55	Fabrication of monodisperse polymer/silica hybrid microparticles for improving light diffusion properties. Macromolecular Research, 2012, 20, 385-390.	2.4	9
56	Environmental Stimuliâ€Responsive Longâ€Term Radical Scavenging of 2D Transition Metal Dichalcogenides through Defectâ€Mediated Hydrogen Atom Transfer in Aqueous Media. Advanced Functional Materials, 2018, 28, 1802737.	14.9	9
57	Preparation and Performance of Superabsorbent Polymer with Cellulose Additives. Fibers and Polymers, 2020, 21, 2448-2455.	2.1	9
58	2D Colloidal Array of Glucoseâ€Conjugative Conductive Microparticles for a Pressureâ€Mediated Chemiresistive Sensor Platform. Advanced Functional Materials, 2020, 30, 2000431.	14.9	9
59	Particulate Coacervation of Associative Polymer Brushes-Grafted Nanoparticles To Produce Structurally Stable Pickering Emulsions. Langmuir, 2016, 32, 13403-13408.	3.5	8
60	Fabrication of cell membrane-adhesive soft polymeric nanovehicles for noninvasive visualization of epidermal-dermal junction-targeted drug delivery. International Journal of Pharmaceutics, 2019, 565, 233-241.	5.2	8
61	Effective Suppression of Oxidative Stress on Living Cells in Hydrogel Particles Containing a Physically Immobilized WS₂ Radical Scavenger. ACS Applied Materials & Interfaces, 2019, 11, 18817-18824.	8.0	8
62	Fabrication and stabilization of nanoscale emulsions by formation of a thin polymer membrane at the oilâ€“water interface. RSC Advances, 2015, 5, 46276-46281.	3.6	7
63	Conductive magnetic-patchy colloidal microparticles for a high performance pressure sensor. Chemical Communications, 2016, 52, 12334-12337.	4.1	7
64	Energetically Preferred Bilayered Coacervation of Oppositely Charged ZrHP Nanoplatelets. ACS Applied Materials & Interfaces, 2021, 13, 7664-7671.	8.0	7
65	Uniform and stable hydrogel-filled liposome-analogous vesicles with a thin elastomer shell layer. Colloids and Surfaces B: Biointerfaces, 2016, 146, 544-549.	5.0	6
66	Microfluidic macroemulsion stabilization through in situ interfacial coacervation of associative nanoplatelets and polyelectrolytes. Journal of Colloid and Interface Science, 2022, 614, 574-582.	9.4	6
67	Enhanced transdermal delivery by using electrostatically interactive chitosan nanocapsules. Colloid and Polymer Science, 2012, 290, 553-559.	2.1	5
68	Associative Polymerâ€grafted Magnetic Nanoparticles for Stabilization and Recovery of Pickering Emulsions. Bulletin of the Korean Chemical Society, 2018, 39, 806-811.	1.9	5
69	Skin protein-derived peptide-conjugated vesicular nanocargos for selected skin cell targeting and consequent activation. Journal of Materials Chemistry B, 2021, 9, 4956-4962.	5.8	5
70	Multivalency-Induced Shape Deformation of Nanoscale Lipid Vesicles: Size-Dependent Membrane Bending Effects. Journal of Physical Chemistry Letters, 2022, 13, 1480-1488.	4.6	5
71	Synthesis and Shape Control of Uniform Polymer Microparticles by Tailored Adsorption of Poly(ethylene oxide)â€bâ€Poly(Îµâ€caprolactone) Copolymer. Bulletin of the Korean Chemical Society, 2015, 36, 1467-1473.	1.9	4
72	Temperatureâ€responsive Hydrogels Synthesized from Photoâ€Polymerizable Poloxamer Macromers for Topical Skin Moisturizing. Bulletin of the Korean Chemical Society, 2016, 37, 1331-1336.	1.9	4

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73	Controlled rheological behaviors of hyaluronic acid solutions through attractive polymeric micelle-mediated interchain association. Journal of Industrial and Engineering Chemistry, 2019, 75, 61-68.	5.8	4
74	Fabrication of attractive hectorite nanoplatelets by high-pressure homogenization for shear-responsive reversible rheology modification of organogels. Journal of Industrial and Engineering Chemistry, 2020, 90, 274-280.	5.8	4
75	Hydrophobically Modified Cellulose Nanofibersâ€Enveloped Solid Lipid Microparticles for Improved Antioxidant Cargo Retention. Macromolecular Rapid Communications, 2022, 43, e2100917.	3.9	4
76	Evaluation of transdermal delivery of nanoemulsions inex vivoporcine skin using two-photon microscopy and confocal laser-scanning microscopy. Journal of Biomedical Optics, 2014, 19, 106006.	2.6	3
77	Highly stable, electrostatically attractive silicone nanoemulsions produced by interfacial assembly of amphiphilic triblock copolymers. Soft Matter, 2018, 14, 5581-5587.	2.7	3
78	Unveiling Spinodal Decompositionâ€Driven Phase Separation of Cellulose Nanofibrilsâ€Reinforced Nanoemulsion Films for In Situ Thermoset Curing. Advanced Materials Interfaces, 2020, 7, 2000521.	3.7	3
79	Enhancing skin permeation of nanoemulsions through associative polymeric micelles-mediated drop-to-skin dipolar interactions. Journal of Molecular Liquids, 2021, 344, 117741.	4.9	3
80	Tailored layer-by-layer deposition of silica reinforced polyelectrolyte layers on polymer microcapsules for enhanced antioxidant cargo retention. Journal of Industrial and Engineering Chemistry, 2018, 58, 80-86.	5.8	2
81	Adhesive Patches: Boston Ivy Diskâ€Inspired Pressureâ€Mediated Adhesive Film Patches (Small 9/2020). Small, 2020, 16, 2070049.	10.0	2
82	Polyphenol-modified nanovesicles for synergistically enhanced in vitro tumor cell targeting and apoptosis. Journal of Materials Chemistry B, 2022, 10, 1561-1570.	5.8	2
83	Synthetic polymer membranes as a proxy of skins in permeation studies of biologically active compounds. Macromolecular Research, 2012, 20, 379-384.	2.4	1
84	AP736 induces miRâ€125b expression for the efficient whitening and antiâ€ageing action in human epidermal cells. Experimental Dermatology, 2017, 26, 451-454.	2.9	1
85	Biosorption behaviors of natural polymer microfibers synthesized by using cellulase-based enzyme reactions. Macromolecular Research, 2012, 20, 490-495.	2.4	0
86	Frontispiece: Structurally Stable Attractive Nanoscale Emulsions with Dipoleâ€“Dipole Interactionâ€Driven Interdrop Percolation. Chemistry - A European Journal, 2017, 23, .	3.3	0
87	Radical Scavengin: Environmental Stimuliâ€Irresponsive Longâ€Term Radical Scavenging of 2D Transition Metal Dichalcogenides through Defectâ€Mediated Hydrogen Atom Transfer in Aqueous Media (Adv.) Tj ETQq1 1 0.784314 rgBT /Overlo	14.9	0
88	Eâ€Skin: Eâ€Skin Tactile Sensor Matrix Pixelated by Positionâ€Registered Conductive Microparticles Creating Pressureâ€Sensitive Selectors (Adv. Funct. Mater. 31/2018). Advanced Functional Materials, 2018, 28, 1870214.	14.9	0