

Kuk Ro Yoon

List of Publications by Year in descending order

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53
papers

1,986
citations

257450

24
h-index

254184

43
g-index

53
all docs

53
docs citations

53
times ranked

1946
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of monodisperse spherical silica particles with solid core and mesoporous shell: mesopore channels perpendicular to the surface. <i>Journal of Materials Chemistry</i> , 2007, 17, 1758.	6.7	139
2	Prussian blue and its analogues as advanced supercapacitor electrodes. <i>Journal of Energy Chemistry</i> , 2020, 50, 206-229.	12.9	127
3	Xanthan gum-derived materials for applications in environment and eco-friendly materials: A review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104702.	6.7	114
4	Halloysite nanotubes as smart flame retardant and economic reinforcing materials: A review. <i>Thermochimica Acta</i> , 2018, 669, 173-184.	2.7	105
5	Innovative bactericidal adsorbents containing modified xanthan gum/montmorillonite nanocomposites for wastewater treatment. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 1113-1125.	7.5	102
6	One-pot hydrothermal preparation of hierarchical manganese oxide nanorods for high-performance symmetric supercapacitors. <i>Journal of Energy Chemistry</i> , 2022, 65, 116-126.	12.9	101
7	Halloysite nanotubes based electrochemical sensors: A review. <i>Microchemical Journal</i> , 2019, 147, 1083-1096.	4.5	99
8	Synthesis and characterization of MnO ₂ -decorated graphene for supercapacitors. <i>Electrochimica Acta</i> , 2017, 231, 749-758.	5.2	79
9	Highly exfoliated GO-PPy-Ag ternary nanocomposite for electrochemical supercapacitor. <i>Electrochimica Acta</i> , 2018, 268, 304-315.	5.2	79
10	Al-doped Co ₉ S ₈ encapsulated by nitrogen-doped graphene for solid-state asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2022, 428, 132470.	12.7	74
11	Polyaniline/nickel oxide nanocomposites for supercapacitor. <i>Journal of Applied Electrochemistry</i> , 2016, 46, 1039-1047.	2.9	66
12	Smart flame retardant coating containing carboxymethyl chitosan nanoparticles decorated graphene for obtaining multifunctional textiles. <i>Cellulose</i> , 2021, 28, 5087-5105.	4.9	58
13	Exfoliated graphene-manganese oxide nanocomposite electrode materials for supercapacitor. <i>Journal of Alloys and Compounds</i> , 2019, 770, 1189-1199.	5.5	55
14	Facile synthesis of Cu-PBA nanocubes/graphene oxide composite as binder-free electrodes for supercapacitor. <i>Journal of Alloys and Compounds</i> , 2021, 859, 157868.	5.5	55
15	N-methylene phosphonic acid chitosan/graphene sheets decorated with silver nanoparticles as green antimicrobial agents. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 680-688.	7.5	54
16	Novel vapor polymerization for integrating flame retardant textile with multifunctional properties. <i>Composites Communications</i> , 2021, 24, 100614.	6.3	52
17	Green antimicrobial adsorbent containing grafted xanthan gum/SiO ₂ nanocomposites for malachite green dye. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 385-395.	7.5	52
18	Carbon Nanotube/Manganese oxide nanorods hybrid composites for high-performance supercapacitor materials. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 97, 239-249.	5.8	51

#	ARTICLE	IF	CITATIONS
19	Preparation and performance of polyaniline-multiwall carbon nanotubes-titanium dioxide ternary composite electrode material for supercapacitors. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 49, 82-87.	5.8	49
20	Smart bactericidal filter containing biodegradable polymers for crystal violet dye adsorption. <i>Cellulose</i> , 2019, 26, 9179-9206.	4.9	49
21	Emulsion polymerization method for polyaniline-multiwalled carbon nanotube nanocomposites as supercapacitor materials. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 3447-3457.	2.5	38
22	Tunability of Porous CuCo ₂ O ₄ Architectures as High-Performance Electrode Materials for Supercapacitors. <i>ChemNanoMat</i> , 2019, 5, 1398-1407.	2.8	31
23	Good dispersion of poly(β -gluconolactone)-grafted graphene in poly(vinyl alcohol) for significantly enhanced mechanical strength. <i>Materials Chemistry and Physics</i> , 2020, 254, 123465.	4.0	27
24	Surface initiated atom transfer radical polymerization of a sugar methacrylate on gold nanoparticles. <i>Surface and Interface Analysis</i> , 2008, 40, 1139-1143.	1.8	26
25	Poly(vinyl alcohol) and layered double hydroxide composites: Thermal and mechanical properties. <i>Journal of Applied Polymer Science</i> , 2010, 116, 1671-1677.	2.6	26
26	Porous manganese oxide nanospheres for pseudocapacitor applications. <i>Journal of Alloys and Compounds</i> , 2017, 695, 771-778.	5.5	25
27	Mesoporous polypyrrole-Ag nanocomposites for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2018, 742, 610-618.	5.5	22
28	Surface functionalization of multi-walled carbon nanotubes through surface-initiated atom transfer radical polymerization of glycidyl methacrylate. <i>Surface and Interface Analysis</i> , 2009, 41, 303-309.	1.8	19
29	Ultra-thin and ultra-long β -MnO ₂ nanowires for pseudocapacitor material. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 3215-3220.	2.5	18
30	Polycondensation of Sebacic Acid with Primary and Secondary Hydroxyl Groups Containing Diols Catalyzed by <i>Candida antarctica</i> Lipase B. <i>Synthetic Communications</i> , 2012, 42, 3504-3512.	2.1	16
31	Synthesis and performance of nickel hydroxide nanodiscs for redox supercapacitors. <i>Ionics</i> , 2016, 22, 1485-1491.	2.4	16
32	Porous 3D- β -nickel hydroxide microflowers for electrochemical supercapacitors. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 33, 374-380.	5.8	16
33	Sulfur-doped nickel oxide spherical nanosheets for redox supercapacitors. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 62, 321-328.	5.8	16
34	Thermal and physicomechanical properties of ethylene-vinyl acetate copolymer and layered double hydroxide composites. <i>Journal of Applied Polymer Science</i> , 2008, 108, 4090-4095.	2.6	15
35	Two-Dimensional Nanomaterials as Smart Flame Retardants for Polyurethane. <i>ACS Symposium Series</i> , 0, , 189-219.	0.5	13
36	Synthesis and characterization nanocomposite of polyacrylamide-rGO-Ag-PEDOT/PSS hydrogels by photo polymerization method. <i>Polymers for Advanced Technologies</i> , 2016, 27, 366-373.	3.2	12

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37	Preparation and characterization of manganese oxide nanosheets for pseudocapacitor application. Journal of Energy Storage, 2019, 25, 100851.	8.1	12
38	Direct grafting of ϵ -caprolactone on solid core/mesoporous shell silica spheres by surface-initiated ring-opening polymerization. Journal of Applied Polymer Science, 2008, 107, 2689-2694.	2.6	10
39	Surface-initiated atom-transfer radical polymerization of 3-O-methacryloyl-1,2:5,6-di-O-isopropylidene- β -D-glucopyranoside onto gold surface. Journal of Biomedical Materials Research - Part A, 2009, 88A, 735-740.	4.0	10
40	Graft polymerization of <i>p</i> -dioxanone onto polyhydroxyethylaspartamide through ring-opening polymerization using organometallic and enzyme catalysts. Designed Monomers and Polymers, 2013, 16, 407-416.	1.6	8
41	Fabrication and characterization of double-network agarose/polyacrylamide nanofibers by electrospinning. Journal of Applied Polymer Science, 2016, 133, .	2.6	8
42	Ceria-Zirconia nanoparticles reduce intracellular globotriaosylceramide accumulation and attenuate kidney injury by enhancing the autophagy flux in cellular and animal models of Fabry disease. Journal of Nanobiotechnology, 2022, 20, 125.	9.1	8
43	Biodegradable Polymeric Nanocomposites for Wastewater Treatment. Engineering Materials, 2022, , 245-298.	0.6	7
44	Synthesis and Characterization of Nonlinear Optical Polymers Containing Carbazole and Disperse Red Dye. Journal of Macromolecular Science - Physics, 2006, 45, 859-870.	1.0	4
45	Surface-initiated ring-opening polymerization of <i>p</i> -dioxanone on Wang resin bead. Journal of Polymer Science Part A, 2008, 46, 1178-1184.	2.3	4
46	Chemical Synthesis of Sea-Urchin Shaped 3D-MnO ₂ Nano Structures and Their Application in Supercapacitors. Journal of Nanoscience and Nanotechnology, 2016, 16, 6093-6101.	0.9	4
47	Liquid crystal dimers having vary oxyethylene flexible spacers. Molecular Crystals and Liquid Crystals, 2017, 650, 1-6.	0.9	4
48	Uniform grafting of poly(1,5-dioxepan-2-one) by surface-initiated, ring-opening polymerization. Macromolecular Research, 2006, 14, 205-208.	2.4	3
49	Synthesis of Symmetric Liquid Crystal Dimers Based on by Varying Alkoxy Terminal Chain Length. Molecular Crystals and Liquid Crystals, 2008, 492, 117/[481]-129/[493].	0.9	2
50	Synthesis and <i>In Vitro/In Vivo</i> Evaluation of Gd-Complex Utilizing Dendritic Ligands as a Magnetic Resonance Contrast Agent. Journal of Nanoscience and Nanotechnology, 2017, 17, 5818-5821.	0.9	2
51	Honeycomb-like manganese oxide nanospheres for redox supercapacitors. Ionics, 2018, 24, 523-528.	2.4	2
52	Synthesis of Symmetric Liquid Crystal Dimers Based on Azo and Imine Groups and Investigation of Phase Behaviour by Varying Alkoxy Terminal Chain Length. Molecular Crystals and Liquid Crystals, 2008, 492, 102/[466]-116/[480].	0.9	1
53	Cyclodextrin-Triazole Derivative Functionalized on Ag@SiO ₂ Core-Shell Nanoparticles via Click Chemistry. Bulletin of the Korean Chemical Society, 2016, 37, 1501-1508.	1.9	1