

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
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53
all docs

53
docs citations

53
times ranked

1946
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Biodegradable Polymeric Nanocomposites for Wastewater Treatment. <i>Engineering Materials</i> , 2022, , 245-298.	0.6	7
4	Ceria-Zirconia nanoparticles reduce intracellular globotriaosylceramide accumulation and attenuate kidney injury by enhancing the autophagy flux in cellular and animal models of Fabry disease. <i>Journal of Nanobiotechnology</i> , 2022, 20, 125.	9.1	8
5	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
6	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
7	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
8	Smart flame retardant coating containing carboxymethyl chitosan nanoparticles decorated graphene for obtaining multifunctional textiles. <i>Cellulose</i> , 2021, 28, 5087-5105.	4.9	58
9	Novel vapor polymerization for integrating flame retardant textile with multifunctional properties. <i>Composites Communications</i> , 2021, 24, 100614.	6.3	52
10	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
11	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
12	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
13	Good dispersion of poly(̢-gluconolactone)-grafted graphene in poly(vinyl alcohol) for significantly enhanced mechanical strength. <i>Materials Chemistry and Physics</i> , 2020, 254, 123465.	4.0	27
14	Prussian blue and its analogues as advanced supercapacitor electrodes. <i>Journal of Energy Chemistry</i> , 2020, 50, 206-229.	12.9	127
15	Exfoliated graphene-manganese oxide nanocomposite electrode materials for supercapacitor. <i>Journal of Alloys and Compounds</i> , 2019, 770, 1189-1199.	5.5	55
16	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
17	Smart bactericidal filter containing biodegradable polymers for crystal violet dye adsorption. <i>Cellulose</i> , 2019, 26, 9179-9206.	4.9	49
18	Preparation and characterization of manganese oxide nanosheets for pseudocapacitor application. <i>Journal of Energy Storage</i> , 2019, 25, 100851.	8.1	12

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19	Halloysite nanotubes based electrochemical sensors: A review. <i>Microchemical Journal</i> , 2019, 147, 1083-1096.	4.5	99
20	Highly exfoliated GO-PPy-Ag ternary nanocomposite for electrochemical supercapacitor. <i>Electrochimica Acta</i> , 2018, 268, 304-315.	5.2	79
21	Sulfur-doped nickel oxide spherical nanosheets for redox supercapacitors. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 62, 321-328.	5.8	16
22	Mesoporous polypyrrole-Ag nanocomposites for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2018, 742, 610-618.	5.5	22
23	Honeycomb-like manganese oxide nanospheres for redox supercapacitors. <i>Ionics</i> , 2018, 24, 523-528.	2.4	2
24	Halloysite nanotubes as smart flame retardant and economic reinforcing materials: A review. <i>Thermochimica Acta</i> , 2018, 669, 173-184.	2.7	105
25	Synthesis and characterization of MnO ₂ -decorated graphene for supercapacitors. <i>Electrochimica Acta</i> , 2017, 231, 749-758.	5.2	79
26	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
27	Ultra-thin and ultra-long γ -MnO ₂ nanowires for pseudocapacitor material. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 3215-3220.	2.5	18
28	Liquid crystal dimers having vary oxyethylene flexible spacers. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 650, 1-6.	0.9	4
29	Porous manganese oxide nanospheres for pseudocapacitor applications. <i>Journal of Alloys and Compounds</i> , 2017, 695, 771-778.	5.5	25
30	Synthesis and <i>In Vitro/In Vivo</i> Evaluation of Gd-Complex Utilizing Dendritic Ligands as a Magnetic Resonance Contrast Agent. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5818-5821.	0.9	2
31	Polyaniline@nickel oxide nanocomposites for supercapacitor. <i>Journal of Applied Electrochemistry</i> , 2016, 46, 1039-1047.	2.9	66
32	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
33	Chemical Synthesis of Sea-Urchin Shaped 3D-MnO ₂ Nano Structures and Their Application in Supercapacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 6093-6101.	0.9	4
34	Cyclodextrin@Triazole Derivative Functionalized on Ag@SiO ₂ Core@Shell Nanoparticles via Click Chemistry. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 1501-1508.	1.9	1
35	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
36	Fabrication and characterization of double-network agarose/polyacrylamide nanofibers by electrospinning. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	8

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37	Synthesis and performance of nickel hydroxide nanodiscs for redox supercapacitors. <i>Ionics</i> , 2016, 22, 1485-1491.	2.4	16
38	Porous 3D- γ -nickel hydroxide microflowers for electrochemical supercapacitors. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 33, 374-380.	5.8	16
39	Graft polymerization of <i>p</i> -dioxanone onto polyhydroxyethylaspartamide through ring-opening polymerization using organometallic and enzyme catalysts. <i>Designed Monomers and Polymers</i> , 2013, 16, 407-416.	1.6	8
40	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
41	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
42	Surface-initiated atom transfer radical polymerization of 3- <i>O</i> -methacryloyl- α -D-glucopyranoside onto gold surface. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 88A, 735-740.	4.0	10
43	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
44	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
45	Surface-initiated ring-opening polymerization of <i>p</i> -dioxanone on Wang resin bead. <i>Journal of Polymer Science Part A</i> , 2008, 46, 1178-1184.	2.3	4
46	Direct grafting of ϵ -caprolactone on solid core/mesoporous shell silica spheres by surface-initiated ring-opening polymerization. <i>Journal of Applied Polymer Science</i> , 2008, 107, 2689-2694.	2.6	10
47	Thermal and physico-mechanical 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
48	Synthesis of Symmetric Liquid Crystal Dimers Based on Azo and Imine Groups and Investigation of Phase Behaviour by Varying Alkoxy Terminal Chain Length. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 492, 102/[466]-116/[480].	0.9	1
49	Synthesis of Symmetric Liquid Crystal Dimers Based on by Varying Alkoxy Terminal Chain Length. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 492, 117/[481]-129/[493].	0.9	2
50	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
51	Uniform grafting of poly(1,5-dioxepan-2-one) by surface-initiated, ring-opening polymerization. <i>Macromolecular Research</i> , 2006, 14, 205-208.	2.4	3
52	Synthesis and Characterization of Nonlinear Optical Polymers Containing Carbazole and Disperse Red Dye. <i>Journal of Macromolecular Science - Physics</i> , 2006, 45, 859-870.	1.0	4
53	Two-Dimensional Nanomaterials as Smart Flame Retardants for Polyurethane. <i>ACS Symposium Series</i> , 0, , 189-219.	0.5	13