

Seungae Lee

List of Publications by Year in descending order

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34
papers

1,163
citations

331259

21
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377514

34
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36
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36
docs citations

36
times ranked

1557
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Electroresponsive Performance of Double-Shell SiO ₂ /TiO ₂ Hollow Nanoparticles. ACS Nano, 2015, 9, 4939-4949.	7.3	89
2	Improved electrochemical performances of MOF-derived Ni-Co layered double hydroxide complexes using distinctive hollow-in-hollow structures. Journal of Materials Chemistry A, 2019, 7, 17637-17647.	5.2	80
3	Metal microparticle Polymer composites as printable, bio/eco-resorbable conductive inks. Materials Today, 2018, 21, 207-215.	8.3	64
4	High electrothermal performance of expanded graphite nanoplatelet-based patch heater. Journal of Materials Chemistry, 2012, 22, 23404.	6.7	57
5	The effect of graphene nanofiller on the crystallization behavior and mechanical properties of poly(vinyl alcohol). Polymer International, 2013, 62, 901-908.	1.6	57
6	Evaluation of anti-scratch properties of graphene oxide/polypropylene nanocomposites. Journal of Materials Chemistry, 2012, 22, 7871.	6.7	53
7	Multifunctional Graphene Sheets Embedded in Silicone Encapsulant for Superior Performance of Light-Emitting Diodes. ACS Nano, 2013, 7, 5784-5790.	7.3	53
8	Materials, Mechanics Designs, and Bioresorbable Multisensor Platforms for Pressure Monitoring in the Intracranial Space. Advanced Functional Materials, 2020, 30, 1910718.	7.8	53
9	Enhanced electrorheological performance of a graphene oxide-wrapped silica rod with a high aspect ratio. Journal of Materials Chemistry C, 2014, 2, 6010.	2.7	51
10	Dual Stimuli-Responsive Smart Fluid of Graphene Oxide-Coated Iron Oxide/Silica Core/Shell Nanoparticles. Chemistry of Materials, 2016, 28, 2624-2633.	3.2	50
11	Graphene Size Control via a Mechanochemical Method and Electroresponsive Properties. ACS Applied Materials & Interfaces, 2014, 6, 5531-5537.	4.0	49
12	Fabrication of graphene quantum dot-decorated graphene sheets via chemical surface modification. Chemical Communications, 2014, 50, 15616-15618.	2.2	47
13	Electro-response of MoS ₂ Nanosheets-Based Smart Fluid with Tailorable Electrical Conductivity. ACS Applied Materials & Interfaces, 2016, 8, 24221-24229.	4.0	46
14	Electrorheological performance of multigram-scale mesoporous silica particles with different aspect ratios. Journal of Materials Chemistry C, 2016, 4, 1713-1719.	2.7	46
15	Enhanced magnetorheological performance of highly uniform magnetic carbon nanoparticles. Nanoscale, 2015, 7, 9646-9654.	2.8	43
16	Graphene Oxide Wrapped SiO ₂ /TiO ₂ Hollow Nanoparticles Loaded with Photosensitizer for Photothermal and Photodynamic Combination Therapy. Chemistry - A European Journal, 2017, 23, 3719-3727.	1.7	42
17	Ultrasensitive N-Channel Graphene Gas Sensors by Nondestructive Molecular Doping. ACS Nano, 2022, 16, 2176-2187.	7.3	42
18	Fabrication of density-controlled graphene oxide-coated mesoporous silica spheres and their electrorheological activity. Journal of Colloid and Interface Science, 2015, 438, 14-21.	5.0	40

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19	Synthesis and electrical response of polyaniline/poly(styrene sulfonate)-coated silica spheres prepared by seed-coating method. <i>Journal of Colloid and Interface Science</i> , 2013, 398, 33-38.	5.0	32
20	Enhanced Electroresponse of Alkaline Earth Metal-Doped Silica/Titania Spheres by Synergetic Effect of Dispersion Stability and Dielectric Property. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 18977-18984.	4.0	32
21	Dual electric and magnetic responsivity of multilayered magnetite-embedded core/shell silica/titania nanoparticles with outermost silica shell. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10241-10249.	2.7	22
22	Synthesis and Electroresponse Activity of Porous Polypyrrole/Silica-Titania Core/Shell Nanoparticles. <i>Langmuir</i> , 2018, 34, 15773-15782.	1.6	20
23	Dual external field-responsive polyaniline-coated magnetite/silica nanoparticles for smart fluid applications. <i>Chemical Communications</i> , 2017, 53, 6645-6648.	2.2	16
24	Performance enhancement of white light-emitting diodes using an encapsulant semi-solidification method. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8525-8531.	2.7	14
25	Long-term stability improvement of light-emitting diode using highly transparent graphene oxide paste. <i>Nanoscale</i> , 2016, 8, 17551-17559.	2.8	14
26	A Comparative Study on Optical, Electrical, and Mechanical Properties of Conducting Polymer-Based Electrodes. <i>Small</i> , 2015, 11, 5498-5504.	5.2	8
27	Highly uniform silica nanoparticles with finely controlled sizes for enhancement of electro-responsive smart fluids. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 77, 426-431.	2.9	8
28	Position and conjugation-dependent aggregation-induced emission enhancement properties of naphthalimide-tetraphenylethylene conjugates. <i>Dyes and Pigments</i> , 2019, 168, 49-58.	2.0	8
29	Ecoresorbable smart fluids with controlled electroresponsive properties by various metal doping. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15751-15758.	2.7	8
30	Controlled-crystallinity of SiO ₂ /TiO ₂ hollow nanoparticles and their electroresponsive behaviors. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 104, 203-211.	2.9	6
31	A new green technology for direct synthesis of carbon nanodots with narrow size distribution. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 77, 365-370.	2.9	5
32	Electroresponsive Performances of Ecoresorbable Smart Fluids Consisting of Various Plant-Derived Carrier Liquids. <i>Chemistry - A European Journal</i> , 2021, 27, 13739-13747.	1.7	4
33	Renewable Activated Carbon Filters Bearing Photocatalytic Particles for Volatile Organic Compound Removal. <i>ChemPlusChem</i> , 2022, 87, e202100486.	1.3	3
34	Electrodes: A Comparative Study on Optical, Electrical, and Mechanical Properties of Conducting Polymer-Based Electrodes (<i>Small</i> 41/2015). <i>Small</i> , 2015, 11, 5497-5497.	5.2	1