

Dae-Soon Lim

List of Publications by Year in descending order

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39
papers

1,030
citations

516710

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414414

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docs citations

39
times ranked

1443
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Parameters Affecting the Surface Roughness in Sapphire Wafer Polishing Using Nanocrystalline Microcrystalline Multilayer Diamond CVD Pellets. <i>International Journal of Precision Engineering and Manufacturing</i> , 2019, 20, 883-891.	2.2	7
2	Non-Enzymatic Glucose Detection Using Free Standing Hollow Boron-Doped Diamond Nanorod Electrodes. <i>Journal of the Electrochemical Society</i> , 2019, 166, B576-B580.	2.9	6
3	Boron-doped diamond nanowire array electrode with high mass transfer rates in flow-by operation. <i>RSC Advances</i> , 2018, 8, 11102-11108.	3.6	5
4	Effect of the Properties of Uniformly Patterned Micro-Diamond Pellets on Sapphire Grinding. <i>Journal of the Korean Physical Society</i> , 2018, 73, 871-876.	0.7	3
5	Morphology control of 3D-networked boron-doped diamond nanowires and its electrochemical properties. <i>Journal of Electroanalytical Chemistry</i> , 2018, 820, 140-145.	3.8	14
6	Fabrication of hollow boron-doped diamond nanostructure via electrochemical corrosion of a tungsten oxide template. <i>Nanotechnology</i> , 2018, 29, 325602.	2.6	6
7	Roll-to-roll slot die production of 300 mm large area silver nanowire mesh films for flexible transparent electrodes. <i>RSC Advances</i> , 2017, 7, 7540-7546.	3.6	37
8	Enhanced electrochemical oxidation of phenol by boron-doped diamond nanowire electrode. <i>RSC Advances</i> , 2017, 7, 6229-6235.	3.6	44
9	Characteristics of hydrogen plasma treated carbon nanotubes and their influence on the mechanical properties of polyetherimide-based nanocomposites. <i>Carbon</i> , 2017, 118, 650-658.	10.3	8
10	Effect of hydrogen plasma-mediated surface modification of carbon fibers on the mechanical properties of carbon-fiber-reinforced polyetherimide composites. <i>Composites Part B: Engineering</i> , 2017, 116, 451-458.	12.0	101
11	Metal-oxide thin-film transistor-based pH sensor with a silver nanowire top gate electrode. <i>Journal of the Korean Physical Society</i> , 2016, 68, 901-907.	0.7	3
12	Multi-stacked electrodes employing aluminum coated tissue papers and non-oxidized graphene nanoflakes for high performance lithium-sulfur batteries. <i>RSC Advances</i> , 2016, 6, 60537-60545.	3.6	8
13	Modification of the surface morphology of the silicon substrate for boron-doped diamond electrodes in electrochemical wastewater treatment applications. <i>Journal of the Korean Physical Society</i> , 2016, 68, 109-114.	0.7	4
14	Structure and tribological properties of plasma-treated carbide derived carbon layer. <i>Carbon</i> , 2016, 96, 1070-1076.	10.3	1
15	Selective growth of carbon nanotubes on boron-doped diamond for electrochemical biosensor application. <i>RSC Advances</i> , 2015, 5, 23395-23400.	3.6	9
16	Improved electrode durability using a boron-doped diamond catalyst support for proton exchange membrane fuel cells. <i>RSC Advances</i> , 2015, 5, 1103-1108.	3.6	23
17	Cr effect on the durability of Pt catalysts for PEMFCs. <i>RSC Advances</i> , 2015, 5, 55401-55405.	3.6	2
18	Effect of a silane coupling agent on the optical and the mechanical characteristics of nanodiamond/acrylic resin composites. <i>Journal of the Korean Physical Society</i> , 2014, 65, 1049-1053.	0.7	6

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19	Sulfur-impregnated MWCNT microball cathode for Li ⁺ S batteries. RSC Advances, 2014, 4, 16062.	3.6	13
20	3D-networked carbon nanotube/diamond core-shell nanowires for enhanced electrochemical performance. NPC Asia Materials, 2014, 6, e115-e115.	7.9	31
21	Phase and microstructural evolution of Sn particles embedded in amorphous carbon nanofibers and their anode properties in Li-ion batteries. Journal of Electroceramics, 2014, 32, 261-268.	2.0	11
22	Carbide derived carbon: from growth to tribological application. Journal of the Ceramic Society of Japan, 2014, 122, 577-585.	1.1	12
23	Multi-layer electrode with nano-Li ₄ Ti ₅ O ₁₂ aggregates sandwiched between carbon nanotube and graphene networks for high power Li-ion batteries. Scientific Reports, 2014, 4, 7334.	3.3	49
24	Influence of Immobilization of Bacterial Cells and TiO ₂ on Phenol Degradation. Water, Air, and Soil Pollution, 2013, 224, 1.	2.4	11
25	Non-Enzymatic Glucose Sensor Based on Cu Electrode Modified with CuO Nanoflowers. Journal of the Electrochemical Society, 2013, 160, B43-B46.	2.9	35
26	Plasma resistance of Y ₂ O ₃ nanofilms on quartz with different interlayer deposited by EB-PVD. Journal of the Ceramic Society of Japan, 2012, 120, 539-543.	1.1	1
27	Fabrication of boron-doped nanocrystalline diamond nanoflowers based on 3D Cu(OH) ₂ dendritic architectures. Journal of the Korean Physical Society, 2012, 60, 836-841.	0.7	4
28	Preparation and properties on the graphite/polypropylene composite bipolar plates with a 304 stainless steel by compression molding for PEM fuel cell. International Journal of Hydrogen Energy, 2011, 36, 7621-7627.	7.1	22
29	Electrical and corrosion properties of stainless steel bipolar plates coated with a conduction polymer composite. Current Applied Physics, 2010, 10, S18-S21.	2.4	17
30	Synthesis of sea urchin-like particles of carbon nanotubes directly grown on stainless steel cores and their effect on the mechanical properties of polymer composites. Carbon, 2010, 48, 2910-2916.	10.3	24
31	The effect of iron catalysts on the microstructure and tribological properties of carbide-derived carbon. Carbon, 2010, 48, 3628-3634.	10.3	16
32	Direct deposition of patterned nanocrystalline CVD diamond using an electrostatic self-assembly method with nanodiamond particles. Nanotechnology, 2010, 21, 505302.	2.6	20
33	The electrical and corrosion properties of carbon nanotube coated 304 stainless steel/polymer composite as PEM fuel cell bipolar plates. International Journal of Hydrogen Energy, 2009, 34, 9781-9787.	7.1	47
34	Effect of hydrogen on the physical and mechanical properties of silicon carbide-derived carbon films. Surface and Coatings Technology, 2009, 204, 1018-1021.	4.8	5
35	Effect of the Molecular Weight of Dispersant to the Slurry for Lead-Free Transparent Dielectric Films. Molecular Crystals and Liquid Crystals, 2009, 514, 190/[520]-200/[530].	0.9	1
36	Effect of Carbon Nanotube Addition on Tribological Behavior of UHMWPE. Tribology Letters, 2004, 16, 305-309.	2.6	208

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37	Tribological behavior of PTFE film with nanodiamond. <i>Surface and Coatings Technology</i> , 2004, 188-189, 534-538.	4.8	66
38	Friction and wear of pressureless sintered Ti(C,N)-WC ceramics. <i>Wear</i> , 2003, 255, 682-685.	3.1	8
39	Effect of carbon nanotube addition on the tribological behavior of carbon/carbon composites. <i>Wear</i> , 2002, 252, 512-517.	3.1	142