

Bongyoung Yoo

List of Publications by Year in descending order

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papers

531
citations

687363

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times ranked

815
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Copper Telluride Thin Films by Electrodeposition and Their Electrical and Thermoelectric Properties. <i>Frontiers in Chemistry</i> , 2022, 10, 799305.	3.6	2
2	Simple synthesis of a CoO nanoparticle-decorated nitrogen-doped carbon catalyst from spent coffee grounds for alkaline hydrogen evolution. <i>Journal of Materials Science</i> , 2022, 57, 18075-18088.	3.7	4
3	Metal-free high-adsorption-capacity adsorbent derived from spent coffee grounds for methylene blue. <i>RSC Advances</i> , 2021, 11, 5118-5127.	3.6	22
4	Cu to Cu direct bonding at low temperature with high density defect in electrodeposited Cu. <i>Applied Surface Science</i> , 2021, 550, 149337.	6.1	17
5	Study on Roasting for Selective Lithium Leaching of Cathode Active Materials from Spent Lithium-Ion Batteries. <i>Metals</i> , 2021, 11, 1336.	2.3	6
6	A Study on Optimization of Nitric Acid Leaching and Roasting Process for Selective Lithium Leaching of Spent Batteries Cell Powder. , 2021, 30, 43-52.		3
7	Evolution of microstructures and mechanical properties of ultrahigh strength, pure electrodeposited Cu during self-annealing. <i>Journal of Alloys and Compounds</i> , 2020, 846, 156488.	5.5	9
8	Effect of Pulse Current and Pre-annealing on Thermal Extrusion of Cu in Through-Silicon via (TSV). <i>Frontiers in Chemistry</i> , 2020, 8, 771.	3.6	6
9	Improved Chloride Ion Sensing Performance of Flexible Ag-NPs/AgCl Electrode Sensor Using Cu-BTC as an Effective Adsorption Layer. <i>Frontiers in Chemistry</i> , 2019, 7, 637.	3.6	6
10	Sulfur-Enhanced Field-Effect Passivation using (NH ₄) ₂ S Surface Treatment for Black Si Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25140-25146.	8.0	11
11	Large-area and cost-effective fabrication of Ag-coated polymeric nanopillar array for surface-enhanced Raman spectroscopy. <i>Applied Surface Science</i> , 2018, 446, 114-121.	6.1	12
12	Charge Transfer Kinetics of Photoelectrochemical Hydrogen Evolution Improved by Nonstoichiometric Ni-rich NiO _x -Coated Si Photocathode in Alkaline Electrolyte. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700138.	5.3	12
13	A Photoelectrochemical Device with Dynamic Interface Energetics: Understanding of Structural and Physical Specificities and Improvement of Performance and Stability. <i>Advanced Sustainable Systems</i> , 2018, 2, 1800083.	5.3	7
14	Fabrication of a semi-transparent flexible humidity sensor using kinetically sprayed cupric oxide film. <i>Sensors and Actuators B: Chemical</i> , 2018, 274, 331-337.	7.8	32
15	Kerf-Less Exfoliated Thin Silicon Wafer Prepared by Nickel Electrodeposition for Solar Cells. <i>Frontiers in Chemistry</i> , 2018, 6, 600.	3.6	6
16	Effect of hydrogen annealing of ball-milled Bi _{0.5} Sb _{1.5} Te ₃ powders on thermoelectric properties. <i>Journal of Alloys and Compounds</i> , 2017, 706, 576-583.	5.5	19
17	A hybrid method for the synthesis of small Bi _{0.5} Sb _{1.5} Te ₃ alloy particles. <i>Journal of Alloys and Compounds</i> , 2017, 696, 1151-1158.	5.5	8
18	Synthesis of Zirconium-Titanium oxide mixed layers on Ti substrates by plasma electrolytic oxidation and plasma-enhanced electrophoresis. <i>Journal of Alloys and Compounds</i> , 2017, 726, 930-938.	5.5	12

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19	Novel synthesis of dual-suspended architectures between Si-pillars for enhanced photocatalytic performance. RSC Advances, 2017, 7, 2880-2883.	3.6	4
20	Synthesis and thermoelectric characterization of bulk-type tellurium nanowire/polymer nanocomposites. Journal of Materials Science, 2017, 52, 12724-12733.	3.7	8
21	Electroless Ru/Cu Deposition Without Pd Activation for the Formation of Continuous Cu Seed Layers in High-Aspect-Ratio Via-Holes. Journal of Nanoscience and Nanotechnology, 2016, 16, 11267-11271.	0.9	4
22	Microfabrication for Drug Delivery. Materials, 2016, 9, 646.	2.9	25
23	Through-silicon-via (TSV) filling by electrodeposition with pulse-reverse current. Microelectronic Engineering, 2016, 156, 15-18.	2.4	21
24	The Effects of Bath Temperature on the Formation of Nanotwin in Electrodeposited Cu. Journal of Nanoscience and Nanotechnology, 2016, 16, 11303-11307.	0.9	3
25	Method of Efficient Ag Doping for Fermi Level Tuning of Thermoelectric Bi _{0.5} Sb _{1.5} Te ₃ Alloys Using a Chemical Displacement Reaction. Journal of Physical Chemistry C, 2015, 119, 18038-18045.	3.1	25
26	Designed two-step morphological transformation: a new strategy to synthesize uniform metalloporphyrin-containing coordination polymer particles. New Journal of Chemistry, 2015, 39, 3366-3370.	2.8	2
27	Monitoring the length-controlled synthesis of one-dimensional metalloporphyrin-containing coordination polymer particles and their photocatalytic properties. New Journal of Chemistry, 2015, 39, 4218-4221.	2.8	5
28	Homogenous four-petal flower structure formation from metalloporphyrin self-assembly and its reversible transformation into an octahedron structure. CrystEngComm, 2014, 16, 8950-8953.	2.6	4
29	Through-Silicon-Via (TSV) Filling by Electrodeposition of Cu with Pulse Current at Ultra-Short Duty Cycle. Journal of the Electrochemical Society, 2013, 160, D3300-D3305.	2.9	46
30	Electrodeposition of p-Type Sb _x Te _y Thermoelectric Films. Journal of Electronic Materials, 2011, 40, 1321-1325.	2.2	16
31	Electrodeposition of Silver-Nickel Thin Films with a Galvanostatic Method. Materials Transactions, 2010, 51, 1842-1846.	1.2	13
32	Magnetic and Microwave Properties of NiFe Nanowires Embedded in Anodized Aluminum Oxide (AAO) Templates. IEEE Transactions on Magnetics, 2010, 46, 420-423.	2.1	25
33	Ni-catalyzed growth of silicon wire arrays for a Schottky diode. Applied Physics Letters, 2010, 97, 042103.	3.3	12
34	Ultra-long bismuth telluride nanoribbons synthesis by lithographically patterned galvanic displacement. Journal of Materials Chemistry, 2010, 20, 9982.	6.7	24
35	Construction of Micro-Patterned Polymer Structures by Piezoelectric Inkjet Printing. Polymer-Plastics Technology and Engineering, 2009, 48, 1318-1323.	1.9	11
36	Magnetically Assembled Multisegmented Nanowires and Their Applications. Electroanalysis, 2009, 21, 61-67.	2.9	62

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37	Site-Specific Magnetic Assembly of Nanowires for Sensor Arrays Fabrication. IEEE Nanotechnology Magazine, 2008, 7, 251-255.	2.0	15
38	Fabrication of nanoelectrodes and nanojunction hydrogen sensor. Applied Physics Letters, 2008, 93, 133111.	3.3	12