

Bongyoung Yoo

List of Publications by Year in descending order

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38
papers

531
citations

687363

13
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713466

21
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38
all docs

38
docs citations

38
times ranked

815
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetically Assembled Multisegmented Nanowires and Their Applications. <i>Electroanalysis</i> , 2009, 21, 61-67.	2.9	62
2	Through-Silicon-Via (TSV) Filling by Electrodeposition of Cu with Pulse Current at Ultra-Short Duty Cycle. <i>Journal of the Electrochemical Society</i> , 2013, 160, D3300-D3305.	2.9	46
3	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
4	Magnetic and Microwave Properties of NiFe Nanowires Embedded in Anodized Aluminum Oxide (AAO) Templates. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 420-423.	2.1	25
5	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. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18038-18045.	3.1	25
6	Microfabrication for Drug Delivery. <i>Materials</i> , 2016, 9, 646.	2.9	25
7	Ultra-long bismuth telluride nanoribbons synthesis by lithographically patterned galvanic displacement. <i>Journal of Materials Chemistry</i> , 2010, 20, 9982.	6.7	24
8	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
9	Through-silicon-via (TSV) filling by electrodeposition with pulse-reverse current. <i>Microelectronic Engineering</i> , 2016, 156, 15-18.	2.4	21
10	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
11	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
12	Electrodeposition of p-Type Sb _x Te _y Thermoelectric Films. <i>Journal of Electronic Materials</i> , 2011, 40, 1321-1325.	2.2	16
13	Site-Specific Magnetic Assembly of Nanowires for Sensor Arrays Fabrication. <i>IEEE Nanotechnology Magazine</i> , 2008, 7, 251-255.	2.0	15
14	Electrodeposition of Silver-Nickel Thin Films with a Galvanostatic Method. <i>Materials Transactions</i> , 2010, 51, 1842-1846.	1.2	13
15	Fabrication of nanoelectrodes and nanojunction hydrogen sensor. <i>Applied Physics Letters</i> , 2008, 93, 133111.	3.3	12
16	Ni-catalyzed growth of silicon wire arrays for a Schottky diode. <i>Applied Physics Letters</i> , 2010, 97, 042103.	3.3	12
17	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
18	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

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19	Charge Transfer Kinetics of Photoelectrochemical Hydrogen Evolution Improved by Nonstoichiometric Ni _x Co _{1-x} O ₂ -Coated Si Photocathode in Alkaline Electrolyte. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700138.	5.3	12
20	Construction of Micro-Patterned Polymer Structures by Piezoelectric Inkjet Printing. <i>Polymer-Plastics Technology and Engineering</i> , 2009, 48, 1318-1323.	1.9	11
21	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
22	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
23	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
24	Synthesis and thermoelectric characterization of bulk-type tellurium nanowire/polymer nanocomposites. <i>Journal of Materials Science</i> , 2017, 52, 12724-12733.	3.7	8
25	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
26	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
27	Kerf-Less Exfoliated Thin Silicon Wafer Prepared by Nickel Electrodeposition for Solar Cells. <i>Frontiers in Chemistry</i> , 2018, 6, 600.	3.6	6
28	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
29	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
30	Monitoring the length-controlled synthesis of one-dimensional metalloporphyrin-containing coordination polymer particles and their photocatalytic properties. <i>New Journal of Chemistry</i> , 2015, 39, 4218-4221.	2.8	5
31	Homogenous four-petal flower structure formation from metalloporphyrin self-assembly and its reversible transformation into an octahedron structure. <i>CrystEngComm</i> , 2014, 16, 8950-8953.	2.6	4
32	Electroless Ru/Cu Deposition Without Pd Activation for the Formation of Continuous Cu Seed Layers in High-Aspect-Ratio Via-Holes. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 11267-11271.	0.9	4
33	Novel synthesis of dual-suspended architectures between Si-pillars for enhanced photocatalytic performance. <i>RSC Advances</i> , 2017, 7, 2880-2883.	3.6	4
34	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
35	The Effects of Bath Temperature on the Formation of Nanotwin in Electrodeposited Cu. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 11303-11307.	0.9	3
36	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

#	ARTICLE	IF	CITATIONS
37	Designed two-step morphological transformation: a new strategy to synthesize uniform metalloporphyrin-containing coordination polymer particles. <i>New Journal of Chemistry</i> , 2015, 39, 3366-3370.	2.8	2
38	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