

# Young Min Park

## List of Publications by Year in descending order

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38  
papers

1,354  
citations

331259

21  
h-index

344852

36  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2460  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Chemically Bonded Graphene/Carbon Nanotube Composites and their Application in Large Volumetric Capacitance Supercapacitors. <i>Advanced Materials</i> , 2013, 25, 6854-6858.	11.1	254
2	Room-Temperature Fabrication of Ultrathin Oxide Gate Dielectrics for Low-Voltage Operation of Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2011, 23, 971-974.	11.1	136
3	Solution-Processable Zirconium Oxide Gate Dielectrics for Flexible Organic Field Effect Transistors Operated at Low Voltages. <i>Chemistry of Materials</i> , 2013, 25, 2571-2579.	3.2	110
4	Electrodeposited Silver Nanowire Transparent Conducting Electrodes for Thin-Film Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 6169-6175.	4.0	81
5	Electrochemically derived CuO nanorod from copper-based metal-organic framework for non-enzymatic detection of glucose. <i>Applied Surface Science</i> , 2019, 479, 720-726.	3.1	71
6	Scalable Fabrication of Strongly Textured Organic Semiconductor Micropatterns by Capillary Force Lithography. <i>Advanced Materials</i> , 2012, 24, 3269-3274.	11.1	62
7	Visible light-driven g-C <sub>3</sub> N <sub>4</sub> @ZnO heterojunction photocatalyst synthesized via atomic layer deposition with a specially designed rotary reactor. <i>Applied Surface Science</i> , 2019, 487, 206-210.	3.1	48
8	The Role of Charge Balance and Excited State Levels on Device Performance of Exciplex-based Phosphorescent Organic Light Emitting Diodes. <i>Scientific Reports</i> , 2017, 7, 11995.	1.6	47
9	Non-enzymatic electrochemical lactate sensing by NiO and Ni(OH) <sub>2</sub> electrodes: A mechanistic investigation. <i>Electrochimica Acta</i> , 2018, 276, 240-246.	2.6	43
10	Strategic PbS quantum dot-based multilayered photoanodes for high efficiency quantum dot-sensitized solar cells. <i>Electrochimica Acta</i> , 2016, 211, 644-651.	2.6	41
11	Mixed Ionic and Electronic Conduction in YSZ-NiO Composite. <i>Journal of the Electrochemical Society</i> , 1999, 146, 883-889.	1.3	37
12	Superior Photostability and Photocatalytic Activity of ZnO Nanoparticles Coated with Ultrathin TiO <sub>2</sub> Layers through Atomic-Layer Deposition. <i>Chemistry - A European Journal</i> , 2015, 21, 19136-19141.	1.7	37
13	Measurement and estimation of temperature rise in TEM sample during ion milling. <i>Ultramicroscopy</i> , 2007, 107, 663-668.	0.8	36
14	Dual-gate organic thin film transistors as chemical sensors. <i>Applied Physics Letters</i> , 2009, 95, 133307.	1.5	36
15	Eliminated Phototoxicity of TiO <sub>2</sub> Particles by an Atomic-Layer-Deposited Al <sub>2</sub> O <sub>3</sub> Coating Layer for UV-Protection Applications. <i>Chemistry - A European Journal</i> , 2016, 22, 12022-12026.	1.7	34
16	Atomic layer deposition with rotary reactor for uniform hetero-junction photocatalyst, g-C <sub>3</sub> N <sub>4</sub> @TiO <sub>2</sub> core-shell structures. <i>RSC Advances</i> , 2019, 9, 33180-33186.	1.7	24
17	Enhanced response of the photoactive gas sensor on formaldehyde using porous SnO <sub>2</sub> @TiO <sub>2</sub> heterostructure driven by gas-flow thermal evaporation and atomic layer deposition. <i>Ceramics International</i> , 2021, 47, 5985-5992.	2.3	24
18	Selective Nonenzymatic Amperometric Detection of Lactic Acid in Human Sweat Utilizing a Multi-Walled Carbon Nanotube (MWCNT)-Polypyrrole Core-Shell Nanowire. <i>Biosensors</i> , 2020, 10, 111.	2.3	23

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19	High-Yield One-Pot Recovery and Characterization of Nanostructured Cobalt Oxalate from Spent Lithium-Ion Batteries and Successive Re-Synthesis of LiCoO <sub>2</sub> . <i>Metals</i> , 2017, 7, 303.	1.0	22
20	Highly sensitive non-enzymatic lactate biosensor driven by porous nanostructured nickel oxide. <i>Ceramics International</i> , 2019, 45, 23370-23376.	2.3	22
21	Complex behavior of hydrogen sensor using nanoporous palladium film prepared by evaporation. <i>Applied Surface Science</i> , 2019, 480, 52-56.	3.1	21
22	Effective removal of Ga residue from focused ion beam using a plasma cleaner. <i>Ultramicroscopy</i> , 2007, 107, 368-373.	0.8	18
23	Improved CdS quantum dot distribution on a TiO <sub>2</sub> photoanode by an atomic-layer-deposited ZnS passivation layer for quantum dot-sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2020, 218, 110753.	3.0	18
24	High-performance aqueous rechargeable sulfate- and sodium-ion battery based on polypyrrole-MWCNT core-shell nanowires and Na <sub>0.44</sub> MnO <sub>2</sub> nanorods. <i>Applied Surface Science</i> , 2018, 446, 131-138.	3.1	16
25	Synthesis, characterization and non-enzymatic lactate sensing performance investigation of mesoporous copper oxide (CuO) using inverse micelle method. <i>Applied Surface Science</i> , 2021, 555, 149638.	3.1	15
26	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.	3.1	12
27	Interdiffusion and structural change in an InGaAs dots-in-a-well structure by rapid thermal annealing. <i>Journal of Applied Physics</i> , 2004, 96, 5496-5499.	1.1	11
28	High-capacity and cycling-stable polypyrrole-coated MWCNT@polyimide core-shell nanowire anode for aqueous rechargeable sodium-ion battery. <i>Surface and Coatings Technology</i> , 2021, 407, 126797.	2.2	11
29	Scalable and Versatile Fabrication of Metallic Nanofoam Films with Controllable Nanostructure Using Ar-Assisted Thermal Evaporation. <i>Chemistry of Materials</i> , 2021, 33, 205-211.	3.2	10
30	A Two-Step-Recess Process Based on Atomic-Layer Etching for High-Performance $\text{In}_{0.52}\text{Al}_{0.48}\text{As}/\text{In}_{0.53}\text{Ga}_{0.47}\text{As}$ p-HEMTs. <i>IEEE Transactions on Electron Devices</i> , 2008, 55, 1577-1584.	1.6	9
31	Highly Porous SnO <sub>2</sub> /TiO <sub>2</sub> Heterojunction Thin-Film Photocatalyst Using Gas-Flow Thermal Evaporation and Atomic Layer Deposition. <i>Catalysts</i> , 2021, 11, 1144.	1.6	9
32	High-Resolution Color Patterning of an OLED Device via Capillary-Induced Ink Filling and a Sublimation Transfer Process. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 1507-1510.	0.1	5
33	Morphology, resistivity and corrosion behavior of tin coatings plated from citric acid bath. <i>Materials Research Express</i> , 2019, 6, 116589.	0.8	4
34	Novel field-effect passivation for nanostructured Si solar cells using interfacial sulfur incorporation. <i>Progress in Photovoltaics: Research and Applications</i> , 2017, 25, 376-383.	4.4	3
35	Synergistic enhancement of hydrogel adhesion via tough chemical bonding and physical entanglements. <i>Polymer Testing</i> , 2022, 107, 107482.	2.3	3
36	High resolution atomic force and Kelvin probe force microscopy image data of InAs(001) surface using frequency modulation method. <i>Data in Brief</i> , 2020, 29, 105177.	0.5	1

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37	Electrical Conductivity of Ionic and Electronic Mixture. Materials Research Society Symposia Proceedings, 2001, 699, 961.	0.1	0
38	Dataset on electrochemical stability and activity of Au-decorated Pt surface for oxygen reduction reaction in acidic media. Data in Brief, 2020, 28, 104897.	0.5	0