

# Yoon Myung

## List of Publications by Year in descending order

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67  
papers

2,283  
citations

159525

30  
h-index

214721

47  
g-index

67  
all docs

67  
docs citations

67  
times ranked

4542  
citing authors

#	ARTICLE	IF	CITATIONS
1	Composition-Tuned ZnO@CdSSe Core-Shell Nanowire Arrays. ACS Nano, 2010, 4, 3789-3800.	7.3	138
2	Nitrogen-Doped Graphitic Layers Deposited on Silicon Nanowires for Efficient Lithium-Ion Battery Anodes. Journal of Physical Chemistry C, 2011, 115, 9451-9457.	1.5	131
3	Tetragonal Phase Germanium Nanocrystals in Lithium Ion Batteries. ACS Nano, 2013, 7, 9075-9084.	7.3	120
4	Electronic Structure of Vertically Aligned Mn-Doped CoFe <sub>2</sub> O <sub>4</sub> Nanowires and Their Application as Humidity Sensors and Photodetectors. Journal of Physical Chemistry C, 2009, 113, 7085-7090.	1.5	102
5	Surface Engineered CuO Nanowires with ZnO Islands for CO <sub>2</sub> Photoreduction. ACS Applied Materials & Interfaces, 2015, 7, 5685-5692.	4.0	100
6	Synthesis of Au@Cu <sub>2</sub> S Core-Shell Nanocrystals and Their Photocatalytic and Electrocatalytic Activity. Journal of Physical Chemistry C, 2010, 114, 22141-22146.	1.5	94
7	Nonenzymatic Amperometric Glucose Sensing of Platinum, Copper Sulfide, and Tin Oxide Nanoparticle-Carbon Nanotube Hybrid Nanostructures. Journal of Physical Chemistry C, 2009, 113, 1251-1259.	1.5	91
8	Germanium sulfide(ii and iv) nanoparticles for enhanced performance of lithium ion batteries. Chemical Communications, 2013, 49, 4661.	2.2	76
9	Germanium-tin alloy nanocrystals for high-performance lithium ion batteries. Physical Chemistry Chemical Physics, 2013, 15, 11691.	1.3	67
10	CdSSe layer-sensitized TiO <sub>2</sub> nanowire arrays as efficient photoelectrodes. Journal of Materials Chemistry, 2011, 21, 4553.	6.7	65
11	Comparative Photocatalytic Ability of Nanocrystal-Carbon Nanotube and -TiO <sub>2</sub> Nanocrystal Hybrid Nanostructures. Journal of Physical Chemistry C, 2009, 113, 19966-19972.	1.5	59
12	Highly Conducting, n-Type Bi <sub>12</sub> O <sub>15</sub> Cl <sub>6</sub> Nanosheets with Superlattice-like Structure. Chemistry of Materials, 2015, 27, 7710-7718.	3.2	55
13	Two-dimensional GeAs with a visible range band gap. Journal of Materials Chemistry A, 2018, 6, 9089-9098.	5.2	55
14	Three-Dimensional Structure of Helical and Zigzagged Nanowires Using Electron Tomography. Nano Letters, 2008, 8, 551-557.	4.5	53
15	Nanodiamonds as photocatalysts for reduction of water and graphene oxide. Chemical Communications, 2012, 48, 696-698.	2.2	53
16	Selective Nitrogen-Doping Structure of Nanosize Graphitic Layers. Journal of Physical Chemistry C, 2011, 115, 3737-3744.	1.5	52
17	Orthorhombic NiSe <sub>2</sub> Nanocrystals on Si Nanowires for Efficient Photoelectrochemical Water Splitting. ACS Applied Materials & Interfaces, 2018, 10, 33198-33204.	4.0	49
18	Synthesis of Vertically Aligned Manganese-Doped Fe <sub>3</sub> O <sub>4</sub> Nanowire Arrays and Their Excellent Room-Temperature Gas Sensing Ability. Journal of Physical Chemistry C, 2008, 112, 13911-13916.	1.5	48

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19	Electrical conductivity of p-type BiOCl nanosheets. <i>Chemical Communications</i> , 2015, 51, 2629-2632.	2.2	46
20	Geometry-dependent terahertz emission of silicon nanowires. <i>Optics Express</i> , 2010, 18, 16353.	1.7	45
21	High-Yield Gas-Phase Laser Photolysis Synthesis of Germanium Nanocrystals for High-Performance Photodetectors and Lithium Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26190-26196.	1.5	45
22	Facile phase and composition tuned synthesis of tin chalcogenide nanocrystals. <i>RSC Advances</i> , 2013, 3, 10349.	1.7	44
23	Charge-Selective Surface-Enhanced Raman Scattering Using Silver and Gold Nanoparticles Deposited on Silicon-Carbon Core-Shell Nanowires. <i>ACS Nano</i> , 2012, 6, 2459-2470.	7.3	42
24	Terahertz Spectroscopy of Nanocrystal-Carbon Nanotube and Graphene Oxide Hybrid Nanostructures. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11258-11265.	1.5	41
25	Atmospheric pressure chemical vapor deposition of methylammonium bismuth iodide thin films. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24728-24739.	5.2	41
26	Indirect Phase Transformation of CuO to Cu <sub>2</sub> O on a Nanowire Surface. <i>Langmuir</i> , 2016, 32, 4485-4493.	1.6	39
27	Star-shaped hole transport materials with indeno[1,2-b] thiophene or fluorene on a triazine core for efficient perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1186-1190.	5.2	38
28	Unravelling transient phases during thermal oxidation of copper for dense CuO nanowire growth. <i>CrystEngComm</i> , 2014, 16, 3264-3267.	1.3	33
29	Charge transport in single CuO nanowires. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	32
30	Cationically Substituted Bi <sub>0.7</sub> Fe <sub>0.3</sub> OCl Nanosheets as Li Ion Battery Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 14187-14196.	4.0	32
31	Three-Dimensional Structure of Twinned and Zigzagged One-Dimensional Nanostructures Using Electron Tomography. <i>Nano Letters</i> , 2010, 10, 1682-1691.	4.5	28
32	Polytypic ZnCdSe shell layer on a ZnO nanowire array for enhanced solar cell efficiency. <i>Journal of Materials Chemistry</i> , 2012, 22, 2157-2165.	6.7	27
33	Thin and Small N-Doped Carbon Boxes Obtained from Microporous Organic Networks and Their Excellent Energy Storage Performance at High Current Densities in Coin Cell Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3525-3532.	3.2	24
34	Nb <sub>2</sub> O <sub>5</sub> nanowire photoanode sensitized by a composition-tuned Cd <sub>x</sub> Se <sub>1-x</sub> shell. <i>Journal of Materials Chemistry</i> , 2012, 22, 8413.	6.7	22
35	Flexible sodium-ion battery anodes using indium sulfide-based nanohybrid paper electrodes. <i>Applied Surface Science</i> , 2019, 467-468, 1040-1045.	3.1	22
36	Ternary alloy nanocrystals of tin and germanium chalcogenides. <i>RSC Advances</i> , 2014, 4, 15695-15701.	1.7	21

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37	Effects of Methyl Acetate as a Co-Solvent in Carbonate-Based Electrolytes for Improved Lithium Metal Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 33844-33849.	4.0	21
38	Standing and sitting adlayers in atomic layer deposition of ZnO. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2016, 34, .	0.9	20
39	Twist-Angle-Dependent Optoelectronics in a Few-Layer Transition-Metal Dichalcogenide Heterostructure. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 2470-2478.	4.0	19
40	Mechanism of Na-Ion Storage in BiOCl Anode and the Sodium-Ion Battery Formation. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11500-11507.	1.5	18
41	Rayleigh Instability Driven Nodular Cu <sub>2</sub> O Nanowires via Carbothermal Reduction of CuO Nanowires. <i>Crystal Growth and Design</i> , 2015, 15, 1588-1595.	1.4	15
42	Doping Mechanism in Transparent, Conducting Tantalum Doped ZnO Films Deposited Using Atomic Layer Deposition. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600496.	1.9	15
43	Yolk-Shell Polystyrene@Microporous Organic Network: A Smart Template with Thermally Disassemblable Yolk To Engineer Hollow MoS <sub>2</sub> /C Composites for High-Performance Supercapacitors. <i>ACS Omega</i> , 2017, 2, 7658-7665.	1.6	15
44	Photo-induced cation exchange reaction of germanium chalcogenide nanocrystals synthesized using gas-phase laser photolysis reaction. <i>Chemical Communications</i> , 2013, 49, 187-189.	2.2	13
45	Phase and stress evolution in diamond microparticles during diamond-coated wire sawing of Si ingots. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 82, 1675-1682.	1.5	12
46	Intrinsic point defects and intergrowths in layered bismuth triiodide. <i>Physical Review Materials</i> , 2018, 2, .	0.9	12
47	Gas-phase substitution synthesis of Cu <sub>1.8</sub> S and Cu <sub>2</sub> S superlattice nanowires from CdS nanowires. <i>CrystEngComm</i> , 2011, 13, 2091.	1.3	11
48	Hydrogen and carbon monoxide generation from laser-induced graphitized nanodiamonds in water. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 7155.	1.3	11
49	Facile Formation of a LiF-Carbon Layer as an Artificial Cathodic Electrolyte Interphase through Encapsulation of a Cathode with Carbon Monofluoride. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 31741-31748.	4.0	10
50	Direct Growth of Flexible and Scalable Photocathodes from $\beta$ -Brass Substrates. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 3197-3204.	3.2	9
51	Facile and Scalable Synthesis of Porous Si/SiO <sub>x</sub> Nanoplates from Talc for Lithium-Ion Battery Anodes. <i>ACS Applied Energy Materials</i> , 2020, 3, 8803-8811.	2.5	9
52	Confined anodic aluminum oxide nanopores on aluminum wires. <i>RSC Advances</i> , 2014, 4, 7919.	1.7	7
53	Microporous Porphyrin Networks Mimicking a Velvet Worm Surface and Their Enhanced Sensitivities toward Hydrogen Chloride and Ammonia. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 6815-6819.	4.0	7
54	Phase and stress evolution of Si swarf in the diamond-coated wire sawing of Si ingots. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 89, 735-742.	1.5	6

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55	Synthesis of Sb <sub>2</sub> S <sub>3</sub> NRs@rGO Composite as High-Performance Anode Material for Sodium-Ion Batteries. <i>Materials</i> , 2021, 14, 7521.	1.3	5
56	Vertically Aligned Mn-doped Fe <sub>3</sub> O <sub>4</sub> Nanowire Arrays: Magnetic Properties and Gas Sensing at Room Temperature. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1032, 1.	0.1	4
57	Configurational Entropy of Adlayers in Atomic Layer Deposition. <i>Chemistry of Materials</i> , 2017, 29, 5458-5462.	3.2	4
58	Oxidation Control of 5-Hydroxymethylfurfural to Polymer Building Blocks by Au Clusters and Nanoparticles on Hollow CeO <sub>2</sub> Spheres. <i>ACS Applied Nano Materials</i> , 2022, 5, 4603-4608.	2.4	4
59	Amorphous Cu <sub>2</sub> O as Passivation Layer for Ultra Long Stability of Copper Oxide Nanowires in Photoelectrochemical Environments. <i>Journal of the Electrochemical Society</i> , 2018, 165, H417-H424.	1.3	3
60	Three-Dimensional Structure of Helical and Zigzagged Nanowires Using Electron Tomography. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1144, 1.	0.1	1
61	Terahertz spectroscopy of platinum, copper sulfide, and tin oxide nanocrystals-carbon nanotube hybrid nanostructures. , 2009, , .		1
62	Defect-rich CeO <sub>2</sub> in a hollow carbon matrix engineered from a microporous organic platform: a hydroxide-assisted high performance pseudocapacitive material. <i>Nanoscale</i> , 2021, 13, 18173-18181.	2.8	1
63	ZnO-CdZnS Core-Shell Nanocable Arrays for Highly Efficient Photoelectrochemical Hydrogen Generation. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1256, 1.	0.1	0
64	Terahertz Emission from Vertically-aligned Silicon Nanowires. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1258, 1.	0.1	0
65	Synthesized of ZnO/CdZnS/CdS core-shell nano cable arrays using by chemical vapor transport method for highly efficient photoelectrochemical hydrogen generation. , 2010, , .		0
66	Three-dimensional Structure of Twinned and Zigzagged One-dimensional Nanostructures Using Electron Tomography. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1262, 1.	0.1	0
67	Three-dimensional structure of twinned and zigzagged one-dimensional nanostructures using electron tomography. , 2010, , .		0