

Ilsun Yoon

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,510
citations

393982

19
h-index

476904

29
g-index

30
all docs

30
docs citations

30
times ranked

2557
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainable desalination device capable of producing freshwater and electricity. <i>Desalination</i> , 2022, 535, 115820.	4.0	31
2	Au@ZIF-8 SERS paper for food spoilage detection. <i>Biosensors and Bioelectronics</i> , 2021, 179, 113063.	5.3	91
3	Plasma-assisted ITO sol coating for optimizing the optoelectronic properties of ITO glass. <i>Applied Surface Science</i> , 2021, 551, 149414.	3.1	6
4	Effective Photon Management of Non-Surface-Textured Flexible Thin Crystalline Silicon Solar Cells. <i>Cell Reports Physical Science</i> , 2020, 1, 100242.	2.8	25
5	Newly Developed Broadband Antireflective Nanostructures by Coating a Low-Index MgF ₂ Film onto a SiO ₂ Moth-Eye Nanopattern. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10626-10636.	4.0	39
6	Enhanced Surface Properties of Light-Trapping Si Nanowires Using Synergetic Effects of Metal-Assisted and Anisotropic Chemical Etchings. <i>Scientific Reports</i> , 2019, 9, 15914.	1.6	13
7	Development of an Arsenobetaine Standard Solution with Metrological Traceability to the $\langle \text{SCP} \rangle \text{Si}$ by an Arsenic-Specific Mass Balance Method. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 237-245.	1.0	1
8	Nanofibre optic force transducers with sub-piconewton resolution via near-field plasmon-dielectric interactions. <i>Nature Photonics</i> , 2017, 11, 352-355.	15.6	31
9	Enhancement of Light Absorption in Photovoltaic Devices using Textured Polydimethylsiloxane Stickers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21276-21282.	4.0	60
10	Polyhedral gold nanocrystals/polyelectrolyte composite film: One-pot synthesis via interfacial liquid plasma polymerization. <i>Composites Science and Technology</i> , 2017, 153, 198-208.	3.8	2
11	Gap controlled plasmon-dielectric coupling effects investigated with single nanoparticle-terminated atomic force microscope probes. <i>Nanoscale</i> , 2016, 8, 17102-17107.	2.8	5
12	Quantitative mechanical analysis of thin compressible polymer monolayers on oxide surfaces. <i>Soft Matter</i> , 2014, 10, 8001-8010.	1.2	18
13	Profiling the evanescent field of nanofiber waveguides using self-assembled polymer coatings. <i>Nanoscale</i> , 2013, 5, 552-555.	2.8	9
14	Nanofiber Near-Field Light-Matter Interactions for Enhanced Detection of Molecular Level Displacements and Dynamics. <i>Nano Letters</i> , 2013, 13, 1440-1445.	4.5	10
15	Stimulus-Responsive Light Coupling and Modulation with Nanofiber Waveguide Junctions. <i>Nano Letters</i> , 2012, 12, 1905-1911.	4.5	10
16	Rainbow Radiating Single-Crystal Ag Nanowire Nanoantenna. <i>Nano Letters</i> , 2012, 12, 2331-2336.	4.5	34
17	Single Crystalline NbO ₂ Nanowire Synthesis by Chemical Vapor Transport Method. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 839-842.	1.0	17
18	Self-Assembly of Semiconducting Photoluminescent Peptide Nanowires in the Vapor Phase. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1164-1167.	7.2	94

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19	Au Nanowire-on-Film SERRS Sensor for Ultrasensitive Hg ²⁺ Detection. Chemistry - A European Journal, 2011, 17, 2211-2214.	1.7	80
20	Polymorph-Tuned Synthesis of In ₂ S ₃ and Bi ₂ O ₃ Nanowires and Determination of Their Growth Direction from Polarized Raman Single Nanowire Microscopy. Chemistry - A European Journal, 2011, 17, 1304-1309.	1.7	60
21	Au Nanowire-Au Nanoparticles Conjugated System which Provides Micrometer Size Molecular Sensors. Chemistry - A European Journal, 2010, 16, 1351-1355.	1.7	31
22	Pattern-Selective Epitaxial Growth of Twin-Free Pd Nanowires from Supported Nanocrystal Seeds. ACS Nano, 2010, 4, 2919-2927.	7.3	24
23	Patterned Multiplex Pathogen DNA Detection by Au Particle-on-Wire SERS Sensor. Nano Letters, 2010, 10, 1189-1193.	4.5	351
24	Creating Well-Defined Hot Spots for Surface-Enhanced Raman Scattering by Single-Crystalline Noble Metal Nanowire Pairs. Journal of Physical Chemistry C, 2009, 113, 7492-7496.	1.5	54
25	Single Nanowire on a Film as an Efficient SERS-Active Platform. Journal of the American Chemical Society, 2009, 131, 758-762.	6.6	210
26	Calculation of electric field enhancement in the gap between two paralleled metallic wires. , 2009, , .		0
27	Characterization of Graphene Sheets Formed by the Reaction of Carbon Monoxide with Aluminum Sulfide. Bulletin of the Korean Chemical Society, 2009, 30, 3045-3048.	1.0	23
28	Simple Vapor-Phase Synthesis of Single-Crystalline Ag Nanowires and Single-Nanowire Surface-Enhanced Raman Scattering. Journal of the American Chemical Society, 2007, 129, 9576-9577.	6.6	131
29	Conformational Study of Tyramine and Its Water Clusters by Laser Spectroscopy. Journal of Physical Chemistry A, 2007, 111, 1800-1807.	1.1	29