

# Jung Woo Lee

## List of Publications by Year in descending order

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38  
papers

3,940  
citations

430874

18  
h-index

361022

35  
g-index

40  
all docs

40  
docs citations

40  
times ranked

7004  
citing authors

#	ARTICLE	IF	CITATIONS
1	The inclination of threading dislocation in chemical vapor deposition-grown single-crystal diamond analyzed by synchrotron white beam X-ray topography. <i>Journal of the Korean Physical Society</i> , 2022, 80, 175-184.	0.7	1
2	Horizontally Assembled Trapezoidal Piezoelectric Cantilevers Driven by Magnetic Coupling for Rotational Energy Harvester Applications. <i>Energies</i> , 2021, 14, 498.	3.1	7
3	Near-Field Communication in Biomedical Applications. <i>Sensors</i> , 2021, 21, 703.	3.8	23
4	Preparation of gas-atomised amorphous soft magnetic powders with high saturated magnetisation above 1.25â€¦T realised by senary Fe <sub>73</sub> Si <sub>9</sub> B <sub>10</sub> P <sub>5</sub> C <sub>3</sub> Mo <sub>x</sub> alloys with abnormal glass-forming ability. <i>Powder Metallurgy</i> , 2021, 64, 173-179.	1.7	1
5	Effect of Catalyst Crystallinity on V-Based Selective Catalytic Reduction with Ammonia. <i>Nanomaterials</i> , 2021, 11, 1452.	4.1	9
6	Agglomeration-Free Fe <sub>3</sub> O <sub>4</sub> anchored via nitrogen mediation of carbon nanotubes for high-performance arsenic adsorption. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104772.	6.7	7
7	Templated Grain Growth for High-Performance Lead-Free Piezoceramics. <i>Ceramist</i> , 2021, 24, 130-144.	0.1	0
8	Effect of Oxygen Impurity on Thermal Conduction Rate of Polycrystalline Si <sub>3</sub> N <sub>4</sub> . <i>Advanced Engineering Materials</i> , 2021, 23, 2100566.	3.5	1
9	Ammonium Ion Enhanced V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> Catalysts for Selective Catalytic Reduction with Ammonia. <i>Nanomaterials</i> , 2021, 11, 2677.	4.1	8
10	Nitrogen-Doped Reduced Graphene Oxide Supported Pd <sub>4.7</sub> Ru Nanoparticles Electrocatalyst for Oxygen Reduction Reaction. <i>Nanomaterials</i> , 2021, 11, 2727.	4.1	5
11	Giant Grain Growth in (K,Na)NbO <sub>3</sub> Ceramics. <i>Ceramist</i> , 2021, 24, 286-294.	0.1	0
12	Phase-Controlled NiO Nanoparticles on Reduced Graphene Oxide as Electrocatalysts for Overall Water Splitting. <i>Nanomaterials</i> , 2021, 11, 3379.	4.1	15
13	An easy approach to obtain textured microstructure and transparent seed crystal prepared by simple molten salt synthesis in modified potassium sodium Niobate. <i>Journal of the European Ceramic Society</i> , 2020, 40, 1232-1235.	5.7	11
14	Enhanced activity and durability of Pt nanoparticles supported on reduced graphene oxide for oxygen reduction catalysis of proton exchange membrane fuel cells. <i>Catalysis Today</i> , 2020, 352, 10-17.	4.4	16
15	Room-temperature synthesis and CO <sub>2</sub> -gas sensitivity of bismuth oxide nanosensors. <i>RSC Advances</i> , 2020, 10, 17217-17227.	3.6	26
16	A recyclable catalyst made of two-dimensional gold-loaded cellulose paper for reduction of 4-nitrophenol. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 89, 204-211.	5.8	6
17	Effects of a nano-scale embossed surface on the acoustic emission of air-coupled piezoelectric ultrasonic transducers. <i>Applied Physics Letters</i> , 2020, 116, 222901.	3.3	0
18	Wind energy harvesting from a magnetically coupled piezoelectric bimorph cantilever array based on a dynamic magneto-piezo-elastic structure. <i>Applied Energy</i> , 2020, 264, 114710.	10.1	51

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19	Selective Phase Control of Dopant-Free Potassium Sodium Niobate Perovskites in Solution. <i>Inorganic Chemistry</i> , 2020, 59, 3042-3052.	4.0	24
20	Roles of AgSbTe <sub>2</sub> nanostructures in PbTe: controlling thermal properties of chalcogenides. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3787-3794.	5.5	10
21	Hierarchical multi-level block copolymer patterns by multiple self-assembly. <i>Nanoscale</i> , 2019, 11, 8433-8441.	5.6	22
22	Effect of Thickness Ratio in Piezoelectric/Elastic Cantilever Structure on the Piezoelectric Energy Harvesting Performance. <i>Electronic Materials Letters</i> , 2019, 15, 61-69.	2.2	12
23	Surface graphitization of carbon-doped TiZrN coatings. <i>Ceramics International</i> , 2019, 45, 1790-1793.	4.8	5
24	Atomic structure and residual stress of carbon-doped TiMeN (Me = Zr, Al, and Cr) coatings on mechanical properties. <i>Ceramics International</i> , 2019, 45, 9192-9196.	4.8	11
25	Battery-free, wireless sensors for full-body pressure and temperature mapping. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	247
26	A Study on the Rheological and Mechanical Properties of Photo-Curable Ceramic/Polymer Composites with Different Silane Coupling Agents for SLA 3D Printing Technology. <i>Nanomaterials</i> , 2018, 8, 93.	4.1	52
27	Designing Thin, Ultrastretchable Electronics with Stacked Circuits and Elastomeric Encapsulation Materials. <i>Advanced Functional Materials</i> , 2017, 27, 1604545.	14.9	42
28	Thermal and electrical properties of silicon nitride substrates. <i>AIP Advances</i> , 2017, 7, .	1.3	25
29	Miniaturized Battery-Free Wireless Systems for Wearable Pulse Oximetry. <i>Advanced Functional Materials</i> , 2017, 27, 1604373.	14.9	248
30	Epidermal mechano-acoustic sensing electronics for cardiovascular diagnostics and human-machine interfaces. <i>Science Advances</i> , 2016, 2, e1601185.	10.3	310
31	Battery-free, stretchable optoelectronic systems for wireless optical characterization of the skin. <i>Science Advances</i> , 2016, 2, e1600418.	10.3	336
32	Soft network composite materials with deterministic and bio-inspired designs. <i>Nature Communications</i> , 2015, 6, 6566.	12.8	392
33	Surface Coverage-Dependent Cycle Stability of Core-Shell Nanostructured Electrodes for Use in Lithium Ion Batteries. <i>Advanced Energy Materials</i> , 2014, 4, 1300472.	19.5	18
34	Three-dimensional Gd-doped TiO <sub>2</sub> fibrous photoelectrodes for efficient visible light-driven photocatalytic performance. <i>RSC Advances</i> , 2014, 4, 11750-11757.	3.6	31
35	TiO <sub>2</sub> nanotube branched tree on a carbon nanofiber nanostructure as an anode for high energy and power lithium ion batteries. <i>Nano Research</i> , 2014, 7, 491-501.	10.4	42
36	Superparamagnetic Fe <sub>3</sub> O <sub>4</sub> nanoparticles-carbon nitride nanotube hybrids for highly efficient peroxidase mimetic catalysts. <i>Chemical Communications</i> , 2012, 48, 422-424.	4.1	65

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37	Water-Dispersible Magnetite-Reduced Graphene Oxide Composites for Arsenic Removal. ACS Nano, 2010, 4, 3979-3986.	14.6	1,835
38	Facile Fabrication and Superparamagnetism of Silica-Shielded Magnetite Nanoparticles on Carbon Nitride Nanotubes. Advanced Functional Materials, 2009, 19, 2213-2218.	14.9	24