Jung Woo Lee

List of Publications by Year
in descending order

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	Water-Dispersible Magnetite-Reduced Graphene Oxide Composites for Arsenic Removal. ACS Nano, 2010, 4, 3979-3986.	14.6	1,835
2	Soft network composite materials with deterministic and bio-inspired designs. Nature Communications, 2015, 6, 6566.	12.8	392
3	Battery-free, stretchable optoelectronic systems for wireless optical characterization of the skin. Science Advances, 2016, 2, e1600418.	10.3	336
4	Epidermal mechano-acoustic sensing electronics for cardiovascular diagnostics and human-machine interfaces. Science Advances, 2016, 2, e1601185.	10.3	310
5	Miniaturized Batteryâ€Free Wireless Systems for Wearable Pulse Oximetry. Advanced Functional Materials, 2017, 27, 1604373.	14.9	248
6	Battery-free, wireless sensors for full-body pressure and temperature mapping. Science Translational Medicine, 2018, 10, .	12.4	247
7	Superparamagnetic Fe₃O₄nanoparticlesâ€“carbon nitride nanotube hybrids for highly efficient peroxidase mimetic catalysts. Chemical Communications, 2012, 48, 422-424.	4.1	65
8	A Study on the Rheological and Mechanical Properties of Photo-Curable Ceramic/Polymer Composites with Different Silane Coupling Agents for SLA 3D Printing Technology. Nanomaterials, 2018, 8, 93.	4.1	52
9	Wind energy harvesting from a magnetically coupled piezoelectric bimorph cantilever array based on a dynamic magneto-piezo-elastic structure. Applied Energy, 2020, 264, 114710.	10.1	51
10	TiO2 nanotube branched tree on a carbon nanofiber nanostructure as an anode for high energy and power lithium ion batteries. Nano Research, 2014, 7, 491-501.	10.4	42
11	Designing Thin, Ultrastretchable Electronics with Stacked Circuits and Elastomeric Encapsulation Materials. Advanced Functional Materials, 2017, 27, 1604545.	14.9	42
12	Three-dimensional Gd-doped TiO₂ fibrous photoelectrodes for efficient visible light-driven photocatalytic performance. RSC Advances, 2014, 4, 11750-11757.	3.6	31
13	Room-temperature synthesis and CO₂-gas sensitivity of bismuth oxide nanosensors. RSC Advances, 2020, 10, 17217-17227.	3.6	26
14	Thermal and electrical properties of silicon nitride substrates. AIP Advances, 2017, 7, .	1.3	25
15	Facile Fabrication and Superparamagnetism of Silicaâ€Shielded Magnetite Nanoparticles on Carbon Nitride Nanotubes. Advanced Functional Materials, 2009, 19, 2213-2218.	14.9	24
16	Selective Phase Control of Dopant-Free Potassium Sodium Niobate Perovskites in Solution. Inorganic Chemistry, 2020, 59, 3042-3052.	4.0	24
17	Near-Field Communication in Biomedical Applications. Sensors, 2021, 21, 703.	3.8	23
18	Hierarchical multi-level block copolymer patterns by multiple self-assembly. Nanoscale, 2019, 11, 8433-8441.	5.6	22

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19	Surfaceâ€Coverageâ€Dependent Cycle Stability of Coreâ€Shell Nanostructured Electrodes for Use in Lithium Ion Batteries. Advanced Energy Materials, 2014, 4, 1300472.	19.5	18
20	Enhanced activity and durability of Pt nanoparticles supported on reduced graphene oxide for oxygen reduction catalysts of proton exchange membrane fuel cells. Catalysis Today, 2020, 352, 10-17.	4.4	16
21	Phase-Controlled NiO Nanoparticles on Reduced Graphene Oxide as Electrocatalysts for Overall Water Splitting. Nanomaterials, 2021, 11, 3379.	4.1	15
22	Effect of Thickness Ratio in Piezoelectric/Elastic Cantilever Structure on the Piezoelectric Energy Harvesting Performance. Electronic Materials Letters, 2019, 15, 61-69.	2.2	12
23	An easy approach to obtain textured microstructure and transparent seed crystal prepared by simple molten salt synthesis in modified potassium sodium Niobate. Journal of the European Ceramic Society, 2020, 40, 1232-1235.	5.7	11
24	Atomic structure and residual stress of carbon-doped TiMeN (Me = Zr, Al, and Cr) coatings on mechanical properties. Ceramics International, 2019, 45, 9192-9196.	4.8	11
25	Roles of AgSbTe₂ nanostructures in PbTe: controlling thermal properties of chalcogenides. Journal of Materials Chemistry C, 2019, 7, 3787-3794.	5.5	10
26	Effect of Catalyst Crystallinity on V-Based Selective Catalytic Reduction with Ammonia. Nanomaterials, 2021, 11, 1452.	4.1	9
27	Ammonium Ion Enhanced V2O5-WO3/TiO2 Catalysts for Selective Catalytic Reduction with Ammonia. Nanomaterials, 2021, 11, 2677.	4.1	8
28	Horizontally Assembled Trapezoidal Piezoelectric Cantilevers Driven by Magnetic Coupling for Rotational Energy Harvester Applications. Energies, 2021, 14, 498.	3.1	7
29	Agglomeration-Free Fe3O4 anchored via nitrogen mediation of carbon nanotubes for high-performance arsenic adsorption. Journal of Environmental Chemical Engineering, 2021, 9, 104772.	6.7	7
30	A recyclable catalyst made of two-dimensional gold-loaded cellulose paper for reduction of 4-nitrophenol. Journal of Industrial and Engineering Chemistry, 2020, 89, 204-211.	5.8	6
31	Surface graphitization of carbon-doped TiZrN coatings. Ceramics International, 2019, 45, 1790-1793.	4.8	5
32	Nitrogen-Doped Reduced Graphene Oxide Supported Pd4.7Ru Nanoparticles Electrocatalyst for Oxygen Reduction Reaction. Nanomaterials, 2021, 11, 2727.	4.1	5
33	Preparation of gas-atomised amorphous soft magnetic powders with high saturated magnetisation above 1.25â€...T realised by senary Fe₇₃Si_{9â”x}B₁₀P₅C₃Mo_x alloys with abnormal glass-forming ability. Powder Metallurgy, 2021, 64, 173-179.	1.7	1
34	Effect of Oxygen Impurity on Thermal Conduction Rate of Polycrystalline Si₃N₄. Advanced Engineering Materials, 2021, 23, 2100566.	3.5	1
35	The inclination of threading dislocation in chemical vapor deposition-grown single-crystal diamond analyzed by synchrotron white beam X-ray topography. Journal of the Korean Physical Society, 2022, 80, 175-184.	0.7	1
36	Effects of a nano-scale embossed surface on the acoustic emission of air-coupled piezoelectric ultrasonic transducers. Applied Physics Letters, 2020, 116, 222901.	3.3	0

#	Article	IF	Citations
37	Templated Grain Growth for High-Performance Lead-Free Piezoceramics. Ceramist, 2021, 24, 130-144.	0.1	0
38	Giant Grain Growth in (K,Na)NbO3 Ceramics. Ceramist, 2021, 24, 286-294.	0.1	0