

# Gyoung-Ja Lee

## List of Publications by Year in descending order

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25  
papers

547  
citations

687363

13  
h-index

642732

23  
g-index

26  
all docs

26  
docs citations

26  
times ranked

702  
citing authors

#	ARTICLE	IF	CITATIONS
1	Piezoelectric Energy Harvesting from Two-Dimensional Boron Nitride Nanoflakes. ACS Applied Materials & Interfaces, 2019, 11, 37920-37926.	8.0	98
2	Nanowire-percolated piezoelectric copolymer-based highly transparent and flexible self-powered sensors. Journal of Materials Chemistry A, 2019, 7, 25481-25489.	10.3	69
3	Enhanced thermal conductivity of nanofluids containing graphene nanoplatelets prepared by ultrasound irradiation. Journal of Materials Science, 2014, 49, 1506-1511.	3.7	62
4	Kinetic motion sensors based on flexible and lead-free hybrid piezoelectric composite energy harvesters with nanowires-embedded electrodes for detecting articular movements. Composites Part B: Engineering, 2021, 212, 108705.	12.0	49
5	Cellular Uptake Behavior of Doxorubicin-Conjugated Nanodiamond Clusters for Efficient Cancer Therapy. Macromolecular Bioscience, 2015, 15, 1469-1475.	4.1	25
6	Proposal of a rhombohedral-tetragonal phase composition for maximizing piezoelectricity of (K,Na)NbO <sub>3</sub> ceramics. Scientific Reports, 2019, 9, 4195.	3.3	23
7	Flexoelectric-boosted piezoelectricity of BaTiO <sub>3</sub> @SrTiO <sub>3</sub> core-shell nanostructure determined by multiscale simulations for flexible energy harvesters. Nano Energy, 2021, 89, 106469.	16.0	23
8	Rapid and direct synthesis of complex perovskite oxides through a highly energetic planetary milling. Scientific Reports, 2017, 7, 46241.	3.3	22
9	Targeted Tumor Therapy Based on Nanodiamonds Decorated with Doxorubicin and Folic Acid. Macromolecular Bioscience, 2017, 17, 1600180.	4.1	21
10	Piezoelectric and ferroelectric properties of (Bi,Na)TiO <sub>3</sub> -(Bi,Li)TiO <sub>3</sub> -(Bi,K)TiO <sub>3</sub> ceramics for accelerometer application. Journal of the American Ceramic Society, 2017, 100, 678-685.	3.8	19
11	Role of oxygen vacancy defects in piezoelectric thermal stability characteristics of Mn-doped (K,Na,Li)NbO <sub>3</sub> piezoceramics. Ceramics International, 2021, 47, 27803-27815.	4.8	18
12	High-temperature workable flexible piezoelectric energy harvester comprising thermally stable (K,Na)NbO <sub>3</sub> -based ceramic and polyimide composites. Composites Part B: Engineering, 2022, 234, 109671.	12.0	18
13	Facile synthesis of surface oxide free copper nanoparticles by in-situ coating with oleic acid. Powder Technology, 2014, 261, 143-146.	4.2	14
14	One-dimensional nanofiber architecture of an anatase TiO <sub>2</sub> -carbon composite with improved sodium storage performance. RSC Advances, 2015, 5, 106252-106257.	3.6	13
15	Decreased Total Antioxidant Activity in Major Depressive Disorder Patients Non-Responsive to Antidepressant Treatment. Psychiatry Investigation, 2016, 13, 222.	1.6	13
16	Piezoelectricity, thermal stability, and fatigue resistance in Nb and Ta-doped Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> high-temperature piezoceramics. Ceramics International, 2022, 48, 12764-12771.	4.8	12
17	Design Optimization of Bulk Piezoelectric Acceleration Sensor for Enhanced Performance. Sensors, 2019, 19, 3360.	3.8	9
18	A Theoretical and Empirical Investigation of Design Characteristics in a Pb(Zr,Ti)O <sub>3</sub> -Based Piezoelectric Accelerometer. Sensors, 2020, 20, 3545.	3.8	7

#	ARTICLE	IF	CITATIONS
19	Generation of non-equilibrium condition in solution plasma discharge using low-pass filter circuit. Plasma Processes and Polymers, 2017, 14, 1600163.	3.0	6
20	Study of Sensitive Parameters on the Sensor Performance of a Compression-Type Piezoelectric Accelerometer Based on the Meta-Model. Energies, 2019, 12, 1381.	3.1	6
21	Co-Doping Effect of BiGaO <sub>3</sub> and (Bi,Na,K,Li)ZrO <sub>3</sub> on Multi-Phase Structure and Piezoelectric Properties of (K,Na)NbO <sub>3</sub> Lead-Free Ceramics. Energies, 2019, 12, 886.	3.1	5
22	Improved oxidation stability of carbon-coated Ni nanoparticles synthesized by one-step electrical wire explosion. Materials Chemistry and Physics, 2022, 276, 125410.	4.0	5
23	Application Feasibility of Antioxidant Activity Evaluation Using Potentiometry in Major Depressive Disorder. Electrochemistry, 2014, 82, 264-266.	1.4	4
24	<i>In-situ</i> temperature stability of a piezoelectric accelerometer based on (Bi, Na, K, Li)TiO <sub>3</sub> ceramics. Applied Physics Letters, 2017, 111, .	3.3	3
25	Role of Extrinsic Contribution to Temperature Stability of Piezoelectricity for (K,Na)NbO <sub>3</sub> -(Bi,M)ZrO <sub>3</sub> Ceramics with Morphotropic Phase Boundary. Energies, 2020, 13, 1972.	3.1	3