# Kyu Hyoung Lee

List of Publications by Year
in descending order



| 112 | 3,938 | 186265 | 133252 |
|---|---|---|---|
| papers | citations | 28 h-index | 59 g-index |

| 115 | 115 | 115 | 4276 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Dense dislocation arrays embedded in grain boundaries for high-performance bulk thermoelectrics. Science, 2015, 348, 109-114. | 12.6 | 1,552 |
| 2 | Lowering the Schottky Barrier Height by Graphene/Ag Electrodes for Highâ€Mobility MoS<sub>2</sub> Fieldâ€Effect Transistors. Advanced Materials, 2019, 31, e1804422. | 21.0 | 165 |
| 3 | Enhanced thermoelectric performance of Bi0.5Sb1.5Te3-expanded graphene composites by simultaneous modulation of electronic and thermal carrier transport. Nano Energy, 2015, 13, 67-76. | 16.0 | 100 |
| 4 | Synthesis of Multishell Nanoplates by Consecutive Epitaxial Growth of Bi<sub>2</sub>Se<sub>3</sub> and Bi<sub>2</sub>Te<sub>3</sub> Nanoplates and Enhanced Thermoelectric Properties. ACS Nano, 2015, 9, 6843-6853. | 14.6 | 85 |
| 5 | Strong Localization of Anionic Electrons at Interlayer for Electrical and Magnetic Anisotropy in Two-Dimensional Y<sub>2</sub>C Electride. Journal of the American Chemical Society, 2017, 139, 615-618. | 13.7 | 71 |
| 6 | Boundary Engineering for the Thermoelectric Performance of Bulk Alloys Based on Bismuth Telluride. ChemSusChem, 2015, 8, 2312-2326. | 6.8 | 68 |
| 7 | Ferromagnetic quasi-atomic electrons in two-dimensional electride. Nature Communications, 2020, 11, 1526. | 12.8 | 57 |
| 8 | Enhanced thermoelectric properties of Au nanodot-included Bi<sub>2</sub>Te<sub>3</sub> nanotube composites. Journal of Materials Chemistry C, 2016, 4, 1313-1319. | 5.5 | 50 |
| 9 | Grain Boundary Interfaces Controlled by Reduced Graphene Oxide in Nonstoichiometric SrTiO3-Î´ Thermoelectrics. Scientific Reports, 2019, 9, 8624. | 3.3 | 50 |
| 10 | Thermoelectric characteristics of Sb2Te3 thin films formed via surfactant-assisted electrodeposition. Journal of Materials Chemistry A, 2013, 1, 5430. | 10.3 | 49 |
| 11 | Direct Observation of Inherent Atomicâ€Scale Defect Disorders responsible for Highâ€Performance Ti<sub>1â€“</sub><sub>x</sub>Hf<sub>x</sub>NiSn<sub>1â€“</sub><sub>y</sub>Sb<sub>y</sub> Halfâ€Heusler Thermoelectric Alloys. Advanced Materials, 2017, 29, 1702091. | 21.0 | 49 |
| 12 | Band engineering and tuning thermoelectric transport properties of p-type Bi0.52Sb1.48Te3 by Pb doping for low-temperature power generation. Scripta Materialia, 2018, 145, 41-44. | 5.2 | 49 |
| 13 | Approach to Determine the Densityâ€ofâ€States Effective Mass with Carrier Concentrationâ€Dependent Seebeck Coefficient. Advanced Functional Materials, 2022, 32, . | 14.9 | 49 |
| 14 | Revisiting Polytypism in Hexagonal Ternary Sulfide ZnIn<sub>2</sub>S<sub>4</sub> for Photocatalytic Hydrogen Production Within the Z-Scheme. Chemistry of Materials, 2019, 31, 9148-9155. | 6.7 | 47 |
| 15 | Band Convergence in Thermoelectric Materials: Theoretical Background and Consideration on Biâ€“Sbâ€“Te Alloys. ACS Applied Energy Materials, 2020, 3, 2214-2223. | 5.1 | 46 |
| 16 | Metallic conduction induced by direct anion site doping in layered SnSe2. Scientific Reports, 2016, 6, 19733. | 3.3 | 45 |
| 17 | Simple and efficient synthesis of nanograin structured single phase filled skutterudite for high thermoelectric performance. Acta Materialia, 2018, 142, 8-17. | 7.9 | 44 |
| 18 | Phonon scattering by dislocations at grain boundaries in polycrystalline Bi<sub>0.5</sub>Sb<sub>1.5</sub>Te<sub>3</sub>. Physica Status Solidi (B): Basic Research, 2017, 254, 1600103. | 1.5 | 43 |

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|---|---|---|---|
| 19 | Effect of Dislocation Arrays at Grain Boundaries on Electronic Transport Properties of Bismuth Antimony Telluride: Unified Strategy for High Thermoelectric Performance. Advanced Energy Materials, 2018, 8, 1800065. | 19.5 | 40 |
| 20 | Enhanced thermoelectric transport properties of n-type InSe due to the emergence of the flat band by Si doping. Inorganic Chemistry Frontiers, 2019, 6, 1475-1481. | 6.0 | 39 |
| 21 | Weighted Mobility Ratio Engineering for Highâ€Performance Biâ€“Teâ€Based Thermoelectric Materials via Suppression of Minority Carrier Transport. Advanced Materials, 2021, 33, e2005931. | 21.0 | 39 |
| 22 | High thermoelectric performance of melt-spun CuxBi0.5Sb1.5Te3 by synergetic effect of carrier tuning and phonon engineering. Acta Materialia, 2018, 158, 289-296. | 7.9 | 37 |
| 23 | Facile and fast decoration of SnO2 nanowires with Pd embedded SnO2-x nanoparticles for selective NO2 gas sensing. Sensors and Actuators B: Chemical, 2021, 340, 129984. | 7.8 | 35 |
| 24 | Enhanced thermoelectric performance of n-type Cu<sub>0.008</sub>Bi<sub>2</sub>Te<sub>2.7</sub>Se<sub>0.3</sub> by band engineering. Journal of Materials Chemistry C, 2015, 3, 10604-10609. | 5.5 | 34 |
| 25 | Clarification of electronic and thermal transport properties of Pb-, Ag-, and Cu-doped p-type Bi0.52Sb1.48Te3. Journal of Alloys and Compounds, 2019, 772, 593-602. | 5.5 | 34 |
| 26 | Non-oxidized bare copper nanoparticles with surface excess electrons in air. Nature Nanotechnology, 2022, 17, 285-291. | 31.5 | 34 |
| 27 | Graphene Substrate for van der Waals Epitaxy of Layerâ€Structured Bismuth Antimony Telluride Thermoelectric Film. Advanced Materials, 2017, 29, 1604899. | 21.0 | 33 |
| 28 | Tuning the Spin-Alignment of Interstitial Electrons in Two-Dimensional Y<sub>2</sub>C Electride via Chemical Pressure. Journal of the American Chemical Society, 2017, 139, 17277-17280. | 13.7 | 33 |
| 29 | Effect of Substitutional Pb Doping on Bipolar and Lattice Thermal Conductivity in p-Type Bi0.48Sb1.52Te3. Materials, 2017, 10, 763. | 2.9 | 33 |
| 30 | Metastable hexagonal close-packed palladium hydride in liquid cell TEM. Nature, 2022, 603, 631-636. | 27.8 | 31 |
| 31 | Water- and acid-stable self-passivated dihafnium sulfide electride and its persistent electrocatalytic reaction. Science Advances, 2020, 6, eaba7416. | 10.3 | 30 |
| 32 | Simple and effective fabrication of Sb<sub>2</sub>Te<sub>3</sub> films embedded with Ag<sub>2</sub>Te nanoprecipitates for enhanced thermoelectric performance. Journal of Materials Chemistry A, 2018, 6, 349-356. | 10.3 | 25 |
| 33 | Design and Preparation of High-Performance Bulk Thermoelectric Materials with Defect Structures. Journal of the Korean Ceramic Society, 2017, 54, 75-85. | 2.3 | 25 |
| 34 | Experimental evidence of enhancement of thermoelectric properties in tellurium nanoparticle-embedded bismuth antimony telluride. Journal of Materials Research, 2012, 27, 2449-2456. | 2.6 | 24 |
| 35 | Doping effects on the thermoelectric properties of Cu-intercalated Bi2Te2.7Se0.3. Current Applied Physics, 2015, 15, 190-193. | 2.4 | 23 |
| 36 | Up-scaled solid state reaction for synthesis of doped Mg2Si. Scripta Materialia, 2017, 128, 53-56. | 5.2 | 23 |

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|---|---|---|---|
| 37 | Fe-Doping Effect on Thermoelectric Properties of p-Type Bi0.48Sb1.52Te3. Materials, 2015, 8, 959-965. | 2.9 | 22 |
| 38 | Anisotropy of the thermoelectric figure of merit (ZT) in textured Ca3Co4O9 ceramics prepared by using a spark plasma sintering process. Journal of the Korean Physical Society, 2015, 66, 794-799. | 0.7 | 21 |
| 39 | Nanoparticles in Bi0.5Sb1.5Te3: A prerequisite defect structure to scatter the mid-wavelength phonons between Rayleigh and geometry scatterings. Acta Materialia, 2020, 185, 271-278. | 7.9 | 21 |
| 40 | Co-doping of Al and Bi to control the transport properties for improving thermoelectric performance of Mg2Si. Scripta Materialia, 2016, 116, 11-15. | 5.2 | 20 |
| 41 | Enhanced Thermoelectric Performance of p-Type Bi-Sb-Te Alloys by Codoping with Ga and Ag. Journal of Electronic Materials, 2015, 44, 1531-1535. | 2.2 | 19 |
| 42 | Te Monolayer-Driven Spontaneous van der Waals Epitaxy of Two-dimensional Pnictogen Chalcogenide Film on Sapphire. Nano Letters, 2017, 17, 6140-6145. | 9.1 | 19 |
| 43 | Highly fluidic liquid at homointerface generates grain-boundary dislocation arrays for high-performance bulk thermoelectrics. Acta Materialia, 2018, 159, 266-275. | 7.9 | 19 |
| 44 | Creation of two-dimensional layered Zintl phase by dimensional manipulation of crystal structure. Science Advances, 2019, 5, eaax0390. | 10.3 | 19 |
| 45 | Chemically synthesized Cu2Te incorporated Bi-Sb-Te p-type thermoelectric materials for low temperature energy harvesting. Scripta Materialia, 2019, 165, 78-83. | 5.2 | 19 |
| 46 | High-Performance Bismuth Antimony Telluride Thermoelectric Membrane on Curved and Flexible Supports. ACS Energy Letters, 2021, 6, 2378-2385. | 17.4 | 19 |
| 47 | Dimensional Crossover Transport Induced by Substitutional Atomic Doping in SnSe<sub>2</sub>. Advanced Electronic Materials, 2018, 4, 1700563. | 5.1 | 18 |
| 48 | An Enhanced Platform to Analyse Low-Affinity Amyloid Î² Protein by Integration of Electrical Detection and Preconcentrator. Scientific Reports, 2017, 7, 14303. | 3.3 | 17 |
| 49 | Dependence of mechanical and thermoelectric properties of Mg2Si-Sn nanocomposites on interface density. Journal of Alloys and Compounds, 2018, 769, 53-58. | 5.5 | 17 |
| 50 | Synergetic effect of grain size reduction on electronic and thermal transport properties by selectively-suppressed minority carrier mobility and enhanced boundary scattering in Bi0.5Sb1.5Te3 alloys. Scripta Materialia, 2019, 160, 15-19. | 5.2 | 17 |
| 51 | Weighted Mobility Ratio Engineering for Highâ€Performance Biâ€“Teâ€Based Thermoelectric Materials via Suppression of Minority Carrier Transport (Adv. Mater. 47/2021). Advanced Materials, 2021, 33, 2170371. | 21.0 | 16 |
| 52 | Critical role of atomic-scale defect disorders for high-performance nanostructured half-Heusler thermoelectric alloys and their thermal stability. Acta Materialia, 2019, 180, 97-104. | 7.9 | 15 |
| 53 | Improved trade-off between thermoelectric performance and mechanical reliability of Mg2Si by hybridization of few-layered reduced graphene oxides. Scripta Materialia, 2019, 162, 402-407. | 5.2 | 15 |
| 54 | Gas sensing behavior of p-NiO/n-ZnO composite nanofibers depending on varying p-NiO content: Selectivity and humidity-independence for oxidizing and reducing gas molecules. Sensors and Actuators B: Chemical, 2021, 349, 130813. | 7.8 | 15 |

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| 55 | Importance of crystal chemistry with interstitial site determining thermoelectric transport properties in pavonite homologue Cuâ€“Biâ€“S compounds. CrystEngComm, 2016, 18, 1453-1461. | 2.6 | 14 |
| 56 | Cuâ€“Biâ€“Se-based pavonite homologue: a promising thermoelectric material with low lattice thermal conductivity. Journal of Materials Chemistry A, 2013, 1, 9768. | 10.3 | 13 |
| 57 | Phase Formation and Thermoelectric Properties of Doped Higher Manganese Silicides (Mn15Si26). Journal of Electronic Materials, 2017, 46, 3242-3248. | 2.2 | 13 |
| 58 | Enhanced fracture toughness of Al and Bi co-doped Mg2Si by metal nanoparticle decoration. Ceramics International, 2017, 43, 12979-12982. | 4.8 | 13 |
| 59 | Potential-current co-adjusted pulse electrodeposition for highly (110)-oriented Bi2Te3-Se films. Journal of Alloys and Compounds, 2019, 787, 767-771. | 5.5 | 13 |
| 60 | Thermoelectric Transport Properties of n-Type Sb-doped (Hf,Zr,Ti)NiSn Half-Heusler Alloys Prepared by Temperature-Regulated Melt Spinning and Spark Plasma Sintering. Applied Sciences (Switzerland), 2020, 10, 4963. | 2.5 | 13 |
| 61 | Hidden role of intrinsic Sb-rich nano-precipitates for high-performance Bi2-Sb Te3 thermoelectric alloys. Acta Materialia, 2021, 215, 117058. | 7.9 | 13 |
| 62 | Enhanced Thermoelectric Properties of Ti<sub>2</sub>FeNiSb<sub>2</sub> Double Halfâ€Heusler Compound by Sn Doping. Advanced Energy and Sustainability Research, 2022, 3, . | 5.8 | 13 |
| 63 | MEMS-Based Gas Sensor Using PdO-Decorated TiO2 Thin Film for Highly Sensitive and Selective H2 Detection with Low Power Consumption. Electronic Materials Letters, 2018, 14, 305-313. | 2.2 | 12 |
| 64 | Effective role of filling fraction control in p-type CexFe3CoSb12 skutterudite thermoelectric materials. Intermetallics, 2019, 105, 44-47. | 3.9 | 12 |
| 65 | Synthesis, morphology, characterisation, and ethanol gas sensing of hierarchical flower-like Co-doped WO3 nanoplates by solvothermal route. Ceramics International, 2021, 47, 20956-20964. | 4.8 | 12 |
| 66 | Cu-incorporation by melt-spinning in n-type Bi2Te2.7Se0.3 alloys for low-temperature power generation. Scripta Materialia, 2019, 167, 120-125. | 5.2 | 10 |
| 67 | Generation of multi-dimensional defect structures for synergetic engineering of hole and phonon transport: enhanced thermoelectric performance in Sb and Cu co-doped GeTe. Inorganic Chemistry Frontiers, 2021, 8, 2782-2787. | 6.0 | 10 |
| 68 | Silver Nanowire Network Hybridized with Silver Nanoparticle-Anchored Ruthenium Oxide Nanosheets for Foldable Transparent Conductive Electrodes. ACS Applied Materials & Interfaces, 2021, 13, 11396-11402. | 8.0 | 10 |
| 69 | Van der Waals electride: Toward intrinsic two-dimensional ferromagnetism of spin-polarized anionic electrons. Materials Today Physics, 2021, 20, 100473. | 6.0 | 10 |
| 70 | Proton irradiation effects on thermal transport in individual single-crystalline Bi nanowires. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1438-1441. | 1.8 | 9 |
| 71 | Strong correlation between the crystal structure and the thermoelectric properties of pavonite homologue Cu<sub>x+y</sub>Bi<sub>5â”y</sub>Ch<sub>8</sub>(Ch = S or Se) compounds. Journal of Materials Chemistry C, 2015, 3, 11271-11285. | 5.5 | 9 |
| 72 | Enhanced Thermoelectric Properties of Melt-Spun p-Type Yb0.9Fe3CoSb12. Journal of Electronic Materials, 2017, 46, 2839-2843. | 2.2 | 9 |

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|---|---|---|---|
| 73 | Control of electrical to thermal conductivity ratio for p-type LaxFe3CoSb12 thermoelectrics by using a melt-spinning process. Journal of Alloys and Compounds, 2017, 729, 1209-1214. | 5.5 | 9 |
| 74 | Mg2Si-based thermoelectric compounds with enhanced fracture toughness by introduction of dual nanoinclusions. Journal of Alloys and Compounds, 2019, 801, 234-238. | 5.5 | 9 |
| 75 | Influence of Pd Doping on Electrical and Thermal Properties of n-Type Cu0.008Bi2Te2.7Se0.3 Alloys. Materials, 2019, 12, 4080. | 2.9 | 9 |
| 76 | Enhanced Thermoelectric Performance of Cu-incorporated Bi0.5Sb1.5Te3 by Melt Spinning and Spark Plasma Sintering. Journal of Electronic Materials, 2020, 49, 2789-2793. | 2.2 | 9 |
| 77 | Phase Formation Behavior and Thermoelectric Transport Properties of P-Type YbxFe3CoSb12 Prepared by Melt Spinning and Spark Plasma Sintering. Materials, 2020, 13, 87. | 2.9 | 9 |
| 78 | Isovalent sulfur substitution to induce a simultaneous increase in the effective mass and weighted mobility of a p-type Bi-Sb-Te alloy: an approach to enhance the thermoelectric performance over a wide temperature range. Acta Materialia, 2021, 205, 116578. | 7.9 | 9 |
| 79 | Effects of Intense Pulsed Light (IPL) Rapid Annealing and Back-Channel Passivation on Solution-Processed In-Ga-Zn-O Thin Film Transistors Array. Micromachines, 2020, 11, 508. | 2.9 | 9 |
| 80 | Surfactant-Free Scalable Synthesis of Bi2Te3and Bi2Se3Nanoflakes and Enhanced Thermoelectric Properties of Their Nanocomposites (Adv. Mater. 10/2013). Advanced Materials, 2013, 25, 1424-1424. | 21.0 | 8 |
| 81 | Formation of Dense Pore Structure by Te Addition in Bi0.5Sb1.5Te3: An Approach to Minimize Lattice Thermal Conductivity. Journal of Nanomaterials, 2013, 2013, 1-5. | 2.7 | 8 |
| 82 | Thermoelectric Transport Properties of Cu Nanoprecipitates Embedded<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:msub><mml:mrow><mml:mtext>Bi</mml:mtext></mml:mrow><mml:mrow><mml:mtext>2</mml:mtext></mml:mrow> Journal of Nanomaterials, 2015, 2015, 1-5. | 2.7 | 8 |
| 83 | Structural optimization for thermoelectric properties in Cu-Bi-S pavonite compounds. Journal of Alloys and Compounds, 2017, 704, 282-288. | 5.5 | 8 |
| 84 | Microstructure Analysis and Thermoelectric Properties of Melt-Spun Bi-Sb-Te Compounds. Crystals, 2017, 7, 180. | 2.2 | 8 |
| 85 | Improved carrier transport properties by I-doping in n-type Cu0.008Bi2Te2.7Se0.3 thermoelectric alloys. Scripta Materialia, 2020, 186, 357-361. | 5.2 | 8 |
| 86 | Reduction of Lattice Thermal Conductivity in PbTe Induced by Artificially Generated Pores. Advances in Condensed Matter Physics, 2015, 2015, 1-6. | 1.1 | 7 |
| 87 | Concentrationâ€dependent excess Cu doping behavior and influence on thermoelectric properties in <scp> Bi <sub>2</sub> Te <sub>3</sub> </scp>. International Journal of Energy Research, 2022, 46, 3707-3713. | 4.5 | 7 |
| 88 | Effects of doping on the positional uniformity of the thermoelectric properties of n-type Bi2Te2.7Se0.3 polycrystalline bulks. Journal of the Korean Physical Society, 2016, 68, 17-21. | 0.7 | 6 |
| 89 | Sputtered PdO Decorated TiO<sub>2</sub> Sensing Layer for a Hydrogen Gas Sensor. Journal of Nanomaterials, 2018, 2018, 1-8. | 2.7 | 6 |
| 90 | Improved polaronic transport under a strong Mottâ€“Hubbard interaction in Cu-substituted NiO. Inorganic Chemistry Frontiers, 2020, 7, 853-858. | 6.0 | 6 |

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| 91 | Important role of Cu in suppressing bipolar conduction in Bi-rich (Bi,Sb)2Te3. Scripta Materialia, 2020, 186, 225-229. | 5.2 | 6 |
| 92 | Understanding bipolar thermal conductivity in terms of concentration ratio of minority to majority carriers. Journal of Materials Research and Technology, 2021, 14, 639-646. | 5.8 | 6 |
| 93 | Facile and accelerated production of RuO2 monolayers via a dual-step intercalation process. Inorganic Chemistry Frontiers, 2020, 7, 1445-1450. | 6.0 | 5 |
| 94 | Studies on phase formation behavior and thermoelectric transport properties of Cu-doped Bi2Te3â€“Bi2S3 system. Journal of Materials Research and Technology, 2021, 15, 4781-4789. | 5.8 | 5 |
| 95 | Thermal stress-assisted annealing to improve the crystalline quality of an epitaxial YSZ buffer layer on Si. Journal of Materials Chemistry C, 2022, 10, 10027-10036. | 5.5 | 5 |
| 96 | Improvement in the thermoelectric performance of highly reproducible n-type (Bi,Sb)<sub>2</sub>Se<sub>3</sub> alloys by Cl-doping. RSC Advances, 2020, 10, 24663-24668. | 3.6 | 4 |
| 97 | Compositional effect in pentagonal layered PdSe2-S solid-solutions and their transport properties. Scripta Materialia, 2020, 182, 6-10. | 5.2 | 4 |
| 98 | Se-induced enhancement of the high-temperature thermoelectric performance of n-type Cu0.008Bi2(Te,Se)3 alloys due to suppressed bipolar conduction. Journal of Alloys and Compounds, 2021, 884, 161030. | 5.5 | 4 |
| 99 | Optimization of Synthesis Conditions of Na0.75CoO2 for High Thermoelectric Performance. Journal of Electronic Materials, 2015, 44, 1408-1412. | 2.2 | 3 |
| 100 | Correlation between thermoelectric transport properties and crystal structure in two-dimensional CrSiTe3. Journal of Alloys and Compounds, 2019, 790, 93-98. | 5.5 | 3 |
| 101 | Hf-Doping Effect on the Thermoelectric Transport Properties of n-Type Cu0.01Bi2Te2.7Se0.3. Applied Sciences (Switzerland), 2020, 10, 4875. | 2.5 | 3 |
| 102 | Interface treatment using amorphous-carbon and its applications. Scientific Reports, 2020, 10, 4093. | 3.3 | 3 |
| 103 | Control of Cu-doping behavior in n-type Cu0.01Bi1.99Te2.7Se0.3 polycrystalline bulk via fabrication technique change. Journal of Materials Research and Technology, 2021, 14, 765-771. | 5.8 | 3 |
| 104 | Vapor phase polymerization of Ag QD-embedded PEDOT film with enhanced thermoelectric and antibacterial properties. NPG Asia Materials, 2022, 14, . | 7.9 | 3 |
| 105 | Tunable thermoelectric transport properties of Cu0.008Bi2Te2.7Se0.3 via control of the spark plasma sintering conditions. Journal of the Korean Physical Society, 2016, 69, 811-815. | 0.7 | 2 |
| 106 | Frequencyâ€Independent and Colossal Dielectric Permittivity of Platy Alumina/Fewâ€Layer Graphene Multilayered Composites. Bulletin of the Korean Chemical Society, 2018, 39, 442-447. | 1.9 | 2 |
| 107 | Synthesis of Au/SnO2 nanostructures allowing process variable control. Scientific Reports, 2020, 10, 346. | 3.3 | 2 |
| 108 | Anomalous Electronic and Protonic Conductivity of 2D Titanium Oxide and Lowâ€Temperature Power Generation Using Its Protonic Conduction. Advanced Materials Interfaces, 2021, 8, 2101156. | 3.7 | 2 |

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| 109 | Enhancement of the thermoelectric figure of merit in n-type Cu0.008Bi2Te2.7Se0.3 by using Nb doping. Journal of the Korean Physical Society, 2016, 68, 7-11. | 0.7 | 1 |
| 110 | Enhanced Thermoelectric Performance of p-Type Bi<sub>0.4</sub>Sb<sub>1.6</sub>Te<sub>3</sub> by Excess Te Addition. Journal of Nanoscience and Nanotechnology, 2017, 17, 7681-7684. | 0.9 | 1 |
| 111 | Skewness: Important parameter to affect the dielectric properties of BaTiO<sub>3</sub>. Journal of Asian Ceramic Societies, 2022, 10, 613-620. | 2.3 | 1 |
| 112 | Thermoelectric Property of Agâ€doped <scp>ZnSb</scp>/Fewâ€Layerâ€Graphene Composites. Bulletin of the Korean Chemical Society, 2016, 37, 720-724. | 1.9 | 0 |