# Seong Chan Jun

List of Publications by Year
in descending order



| 150 | 7,948 | 38742 50 | 54911 84 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 154 | 154 | 154 | 9433 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Hierarchical MnCo-layered double hydroxides@Ni(OH)<sub>2</sub> coreâ€“shell heterostructures as advanced electrodes for supercapacitors. Journal of Materials Chemistry A, 2017, 5, 1043-1049. | 10.3 | 296 |
| 2 | Effect of cation substitution on the pseudocapacitive performance of spinel cobaltite MCo<sub>2</sub>O<sub>4</sub> (M = Mn, Ni, Cu, and Co). Journal of Materials Chemistry A, 2018, 6, 10674-10685. | 10.3 | 266 |
| 3 | Recent Advances in Vanadiumâ€Based Aqueous Rechargeable Zincâ€Ion Batteries. Advanced Energy Materials, 2020, 10, 2000477. | 19.5 | 265 |
| 4 | Structural engineering and surface modification of MOF-derived cobalt-based hybrid nanosheets for flexible solid-state supercapacitors. Energy Storage Materials, 2020, 32, 167-177. | 18.0 | 228 |
| 5 | Hierarchical manganese cobalt sulfide coreâ€“shell nanostructures for high-performance asymmetric supercapacitors. Journal of Power Sources, 2017, 342, 629-637. | 7.8 | 221 |
| 6 | New insight into the effect of fluorine doping and oxygen vacancies on electrochemical performance of Co2MnO4 for flexible quasi-solid-state asymmetric supercapacitors. Energy Storage Materials, 2019, 22, 384-396. | 18.0 | 189 |
| 7 | Challenges and Strategies toward Cathode Materials for Rechargeable Potassiumâ€Ion Batteries. Advanced Materials, 2021, 33, e2004689. | 21.0 | 188 |
| 8 | Unlocking the Potential of Oxygen-Deficient Copper-Doped Co<sub>3</sub>O<sub>4</sub> Nanocrystals Confined in Carbon as an Advanced Electrode for Flexible Solid-State Supercapacitors. ACS Energy Letters, 2021, 6, 3011-3019. | 17.4 | 173 |
| 9 | Enhanced Supercapacitive Performance of Chemically Grown Cobaltâ€“Nickel Hydroxides on Three-Dimensional Graphene Foam Electrodes. ACS Applied Materials & Interfaces, 2014, 6, 2450-2458. | 8.0 | 164 |
| 10 | Recent Advances and Perspectives of Battery-Type Anode Materials for Potassium Ion Storage. ACS Nano, 2021, 15, 18931-18973. | 14.6 | 160 |
| 11 | Highâ€Performance Flexible Quasiâ€Solidâ€State Supercapacitors Realized by Molybdenum Dioxide@Nitrogenâ€Doped Carbon and Copper Cobalt Sulfide Tubular Nanostructures. Advanced Science, 2018, 5, 1800733. | 11.2 | 156 |
| 12 | Phosphorous-containing oxygen-deficient cobalt molybdate as an advanced electrode material for supercapacitors. Energy Storage Materials, 2019, 19, 186-196. | 18.0 | 145 |
| 13 | Conceptual design of three-dimensional CoN/Ni<sub>3</sub>N-coupled nanograsses integrated on N-doped carbon to serve as efficient and robust water splitting electrocatalysts. Journal of Materials Chemistry A, 2018, 6, 4466-4476. | 10.3 | 143 |
| 14 | High-performance gas sensor array for indoor air quality monitoring: the role of Au nanoparticles on WO<sub>3</sub>, SnO<sub>2</sub>, and NiO-based gas sensors. Journal of Materials Chemistry A, 2021, 9, 1159-1167. | 10.3 | 141 |
| 15 | Dual-defect surface engineering of bimetallic sulfide nanotubes towards flexible asymmetric solid-state supercapacitors. Journal of Materials Chemistry A, 2020, 8, 24053-24064. | 10.3 | 133 |
| 16 | Effect of fluorine doping and sulfur vacancies of CuCo2S4 on its electrochemical performance in supercapacitors. Chemical Engineering Journal, 2020, 390, 124643. | 12.7 | 132 |
| 17 | Carbonaceous Anode Materials for Non-aqueous Sodium- and Potassium-Ion Hybrid Capacitors. ACS Energy Letters, 2021, 6, 4127-4154. | 17.4 | 129 |
| 18 | Binder-free cobalt phosphate one-dimensional nanograsses as ultrahigh-performance cathode material for hybrid supercapacitor applications. Journal of Power Sources, 2018, 373, 211-219. | 7.8 | 127 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Nanostructured pseudocapacitive materials decorated 3D graphene foam electrodes for next generation supercapacitors. Nanoscale, 2015, 7, 6999-7021. | 5.6 | 124 |
| 20 | Honeycomb-Like Interconnected Network of Nickel Phosphide Heteronanoparticles with Superior Electrochemical Performance for Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 21829-21838. | 8.0 | 123 |
| 21 | Scalable fabrication of micron-scale graphene nanomeshes for high-performance supercapacitor applications. Energy and Environmental Science, 2016, 9, 1270-1281. | 30.8 | 122 |
| 22 | Amorphous Phosphorus-Incorporated Cobalt Molybdenum Sulfide on Carbon Cloth: An Efficient and Stable Electrocatalyst for Enhanced Overall Water Splitting over Entire pH Values. ACS Applied Materials & Interfaces, 2017, 9, 37739-37749. | 8.0 | 122 |
| 23 | Review on Recent Progress in the Development of Tungsten Oxide Based Electrodes for Electrochemical Energy Storage. ChemSusChem, 2020, 13, 11-38. | 6.8 | 121 |
| 24 | Controlled electrochemical growth of Co(OH)<sub>2</sub>flakes on 3D multilayered graphene foam for high performance supercapacitors. Journal of Materials Chemistry A, 2014, 2, 19075-19083. | 10.3 | 117 |
| 25 | Chemiresistive Electronic Nose toward Detection of Biomarkers in Exhaled Breath. ACS Applied Materials & Interfaces, 2016, 8, 20969-20976. | 8.0 | 113 |
| 26 | Stacked Porous Iron-Doped Nickel Cobalt Phosphide Nanoparticle: An Efficient and Stable Water Splitting Electrocatalyst. ACS Sustainable Chemistry and Engineering, 2018, 6, 6146-6156. | 6.7 | 113 |
| 27 | Atomicâ€Level Platinum Filling into Niâ€Vacancies of Dualâ€Deficient NiO for Boosting Electrocatalytic Hydrogen Evolution. Advanced Energy Materials, 2022, 12, . | 19.5 | 110 |
| 28 | Controllable sulfuration engineered NiO nanosheets with enhanced capacitance for high rate supercapacitors. Journal of Materials Chemistry A, 2017, 5, 4543-4549. | 10.3 | 105 |
| 29 | Nanomechanical hydrogen sensing. Applied Physics Letters, 2005, 86, 143104. | 3.3 | 103 |
| 30 | Static and Dynamic Performance of Complementary Inverters Based on Nanosheet Î±-MoTe<sub>2</sub> p-Channel and MoS<sub>2</sub> n-Channel Transistors. ACS Nano, 2016, 10, 1118-1125. | 14.6 | 98 |
| 31 | Electrothermal tuning of Alâ€“SiC nanomechanical resonators. Nanotechnology, 2006, 17, 1506-1511. | 2.6 | 96 |
| 32 | Enhanced Symmetric Supercapacitive Performance of Co(OH)2 Nanorods Decorated Conducting Porous Graphene Foam Electrodes. Electrochimica Acta, 2014, 129, 334-342. | 5.2 | 91 |
| 33 | Phosphorus Regulated Cobalt Oxide@Nitrogenâ€Doped Carbon Nanowires for Flexible Quasiâ€Solidâ€State Supercapacitors. Small, 2020, 16, e1906458. | 10.0 | 90 |
| 34 | Vertical and In-Plane Current Devices Using NbS<sub>2</sub>/n-MoS<sub>2</sub> van der Waals Schottky Junction and Graphene Contact. Nano Letters, 2018, 18, 1937-1945. | 9.1 | 86 |
| 35 | Phosphorusâ€Doped Graphene Oxide Layer as a Highly Efficient Flame Retardant. Chemistry - A European Journal, 2015, 21, 15480-15485. | 3.3 | 85 |
| 36 | Realizing Superior Redox Kinetics of Hollow Bimetallic Sulfide Nanoarchitectures by Defectâ€Induced Manipulation toward Flexible Solidâ€State Supercapacitors. Small, 2022, 18, e2104507. | 10.0 | 85 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Epoxy to Carbonyl Group Conversion in Graphene Oxide Thin Films: Effect on Structural and Luminescent Characteristics. Journal of Physical Chemistry C, 2012, 116, 19010-19017. | 3.1 | 83 |
| 38 | Phosphorus dual-site driven CoS<sub>2</sub>@S, N co-doped porous carbon nanosheets for flexible quasi-solid-state supercapacitors. Journal of Materials Chemistry A, 2019, 7, 26618-26630. | 10.3 | 82 |
| 39 | Phosphorusâ€Mediated MoS<sub>2</sub> Nanowires as a Highâ€Performance Electrode Material for Quasiâ€Solidâ€State Sodiumâ€Ion Intercalation Supercapacitors. Small, 2019, 15, e1803984. | 10.0 | 81 |
| 40 | Redox Additive-Improved Electrochemically and Structurally Robust Binder-Free Nickel Pyrophosphate Nanorods as Superior Cathode for Hybrid Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 8045-8056. | 8.0 | 75 |
| 41 | Layered manganese metal-organic framework with high specific and areal capacitance for hybrid supercapacitors. Chemical Engineering Journal, 2020, 387, 122982. | 12.7 | 74 |
| 42 | Cobalt carbonate hydroxides as advanced battery-type materials for supercapatteries: Influence of morphology on performance. Electrochimica Acta, 2018, 259, 1037-1044. | 5.2 | 70 |
| 43 | A facile synthesis of hierarchical Î±-MnO2 nanofibers on 3D-graphene foam for supercapacitor application. Materials Letters, 2014, 119, 135-139. | 2.6 | 68 |
| 44 | PolyHIPE Derived Freestanding 3D Carbon Foam for Cobalt Hydroxide Nanorods Based High Performance Supercapacitor. Scientific Reports, 2016, 6, 35490. | 3.3 | 67 |
| 45 | Multicolor emissive carbon dot with solvatochromic behavior across the entire visible spectrum. Carbon, 2020, 156, 110-118. | 10.3 | 64 |
| 46 | Direct growth of WO3 nanostructures on multi-walled carbon nanotubes for high-performance flexible all-solid-state asymmetric supercapacitor. Electrochimica Acta, 2019, 308, 231-242. | 5.2 | 63 |
| 47 | Two-dimensional MXenes for electrochemical energy storage applications. Journal of Materials Chemistry A, 2022, 10, 1105-1149. | 10.3 | 63 |
| 48 | Facile approach to synthesize highly fluorescent multicolor emissive carbon dots via surface functionalization for cellular imaging. Journal of Colloid and Interface Science, 2018, 513, 505-514. | 9.4 | 62 |
| 49 | A binder free synthesis of 1D PANI and 2D MoS<sub>2</sub>nanostructured hybrid composite electrodes by the electrophoretic deposition (EPD) method for supercapacitor application. RSC Advances, 2016, 6, 101592-101601. | 3.6 | 57 |
| 50 | Clean transfer of graphene and its effect on contact resistance. Applied Physics Letters, 2013, 103, . | 3.3 | 56 |
| 51 | 3D yolkâ€“shell NiGa<sub>2</sub>S<sub>4</sub> microspheres confined with nanosheets for high performance supercapacitors. Journal of Materials Chemistry A, 2017, 5, 6292-6298. | 10.3 | 52 |
| 52 | Contact Effect of ReS<sub>2</sub>/Metal Interface. ACS Applied Materials & Interfaces, 2017, 9, 26325-26332. | 8.0 | 50 |
| 53 | Layer dependence and gas molecule absorption property in MoS2 Schottky diode with asymmetric metal contacts. Scientific Reports, 2015, 5, 10440. | 3.3 | 49 |
| 54 | All-redox solid-state supercapacitor with cobalt manganese oxide@bimetallic hydroxides and vanadium nitride@nitrogen-doped carbon electrodes. Chemical Engineering Journal, 2021, 405, 127029. | 12.7 | 49 |

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|---|---|---|---|
| 55 | An asymmetric supercapacitor with excellent cycling performance realized by hierarchical porous NiGa<sub>2</sub>O<sub>4</sub> nanosheets. Journal of Materials Chemistry A, 2017, 5, 19046-19053. | 10.3 | 48 |
| 56 | Highly Dispersed Pt Clusters on F-Doped Tin(IV) Oxide Aerogel Matrix: An Ultra-Robust Hybrid Catalyst for Enhanced Hydrogen Evolution. ACS Nano, 2022, 16, 1625-1638. | 14.6 | 48 |
| 57 | Humidityâ€Tolerant Singleâ€Stranded DNAâ€Functionalized Graphene Probe for Medical Applications of Exhaled Breath Analysis. Advanced Functional Materials, 2017, 27, 1700068. | 14.9 | 47 |
| 58 | Self-assembled bimetallic cobaltâ€“manganese metalâ€“organic framework as a highly efficient, robust electrode for asymmetric supercapacitors. Electrochimica Acta, 2020, 335, 135327. | 5.2 | 46 |
| 59 | Post-heating effects on the physical and electrochemical capacitive properties of reduced graphene oxide paper. Journal of Materials Chemistry A, 2014, 2, 5077. | 10.3 | 44 |
| 60 | Substrate and buffer layer effect on the structural and optical properties of graphene oxide thin films. RSC Advances, 2013, 3, 5926. | 3.6 | 43 |
| 61 | Metalâ€“organic-framework-derived hierarchical Co/CoP-decorated nanoporous carbon polyhedra for robust high-energy storage hybrid supercapacitors. Dalton Transactions, 2020, 49, 1157-1166. | 3.3 | 42 |
| 62 | Fabrication of ultra-high energy and power asymmetric supercapacitors based on hybrid 2D MoS<sub>2</sub>/graphene oxide composite electrodes: a binder-free approach. RSC Advances, 2016, 6, 43261-43271. | 3.6 | 41 |
| 63 | Graphene-Iodine Nanocomposites: Highly Potent Bacterial Inhibitors that are Bio-compatible with Human Cells. Scientific Reports, 2016, 6, 20015. | 3.3 | 38 |
| 64 | Potentiodynamic polarization assisted phosphorus-containing amorphous trimetal hydroxide nanofibers for highly efficient hybrid supercapacitors. Journal of Materials Chemistry A, 2020, 8, 5721-5733. | 10.3 | 38 |
| 65 | All-solid-state flexible asymmetric micro supercapacitors based on cobalt hydroxide and reduced graphene oxide electrodes. RSC Advances, 2016, 6, 43844-43854. | 3.6 | 37 |
| 66 | Nickel hydroxide/chemical vapor deposition-grown graphene/nickel hydroxide/nickel foam hybrid electrode for high performance supercapacitors. Electrochimica Acta, 2019, 297, 479-487. | 5.2 | 37 |
| 67 | Tunable wide blue photoluminescence with europium decorated graphene. Journal of Materials Chemistry C, 2015, 3, 4030-4038. | 5.5 | 36 |
| 68 | Radio frequency based label-free detection of glucose. Biosensors and Bioelectronics, 2014, 54, 141-145. | 10.1 | 34 |
| 69 | Unconventional Terahertz Carrier Relaxation in Graphene Oxide: Observation of Enhanced Auger Recombination Due to Defect Saturation. ACS Nano, 2014, 8, 2486-2494. | 14.6 | 33 |
| 70 | Efficient Direct Reduction of Graphene Oxide by Silicon Substrate. Scientific Reports, 2015, 5, 12306. | 3.3 | 32 |
| 71 | High-concentration dispersions of exfoliated MoS2 sheets stabilized by freeze-dried silk fibroin powder. Nano Research, 2016, 9, 1709-1722. | 10.4 | 31 |
| 72 | Controlling the luminescence emission from palladium grafted graphene oxide thin films via reduction. Nanoscale, 2013, 5, 5620. | 5.6 | 30 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Facile hydrothermal synthesis of carbon-coated cobalt ferrite spherical nanoparticles as a potential negative electrode for flexible supercapattery. Journal of Colloid and Interface Science, 2018, 513, 480-488. | 9.4 | 30 |
| 74 | Enhanced Non-enzymatic amperometric sensing of glucose using Co(OH)2 nanorods deposited on a three dimensional graphene network as an electrode material. Mikrochimica Acta, 2016, 183, 2473-2479. | 5.0 | 29 |
| 75 | Electrically focus-tuneable ultrathin lens for high-resolution square subpixels. Light: Science and Applications, 2020, 9, 98. | 16.6 | 29 |
| 76 | Surface plasmon enhancement of photoluminescence in photo-chemically synthesized graphene quantum dot and Au nanosphere. Nano Research, 2016, 9, 1866-1875. | 10.4 | 28 |
| 77 | Sensitivity Enhancement of Bead-based Electrochemical Impedance Spectroscopy (BEIS) biosensor by electric field-focusing in microwells. Biosensors and Bioelectronics, 2016, 85, 16-24. | 10.1 | 28 |
| 78 | Two-dimensional electronic devices modulated by the activation of donor-like states in boron nitride. Nanoscale, 2020, 12, 18171-18179. | 5.6 | 28 |
| 79 | Radio-frequency characteristics of graphene oxide. Applied Physics Letters, 2010, 97, . | 3.3 | 27 |
| 80 | Reduced graphene oxide enwrapped phosphors for long-term thermally stable phosphor converted white light emitting diodes. Scientific Reports, 2016, 6, 33993. | 3.3 | 27 |
| 81 | Passive electrical properties of multi-walled carbon nanotubes up to 0.1â€‰THz. New Journal of Physics, 2007, 9, 265-265. | 2.9 | 26 |
| 82 | Top and back gate molybdenum disulfide transistors coupled for logic and photo-inverter operation. Journal of Materials Chemistry C, 2014, 2, 8023-8028. | 5.5 | 26 |
| 83 | Few-layered Î±-MoTe<sub>2</sub> Schottky junction for a high sensitivity chemical-vapour sensor. Journal of Materials Chemistry C, 2018, 6, 10714-10722. | 5.5 | 25 |
| 84 | An unexpected phase-transformation of cobaltâ€“vanadium layered double hydroxides toward high energy density hybrid supercapacitor. Journal of Power Sources, 2021, 486, 229341. | 7.8 | 25 |
| 85 | Terahertz and optical study of monolayer graphene processed by plasma oxidation. Applied Physics Letters, 2013, 102, . | 3.3 | 24 |
| 86 | A MEMS ultrasound stimulation system for modulation of neural circuits with high spatial resolution in vitro. Microsystems and Nanoengineering, 2019, 5, 28. | 7.0 | 24 |
| 87 | Nitrogen-doped carbon integrated nickelâ€“cobalt metal phosphide marigold flowers as a high capacity electrode for hybrid supercapacitors. CrystEngComm, 2020, 22, 6360-6370. | 2.6 | 23 |
| 88 | A systematic approach to achieve high energy density hybrid supercapacitors based on Niâ€“Coâ€“Fe hydroxide. Electrochimica Acta, 2020, 353, 136578. | 5.2 | 22 |
| 89 | 2D-on-2D coreâ€“shell Co<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub> stacked micropetals@Co<sub>2</sub>Mo<sub>3</sub>O<sub>8</sub> nanosheets and binder-free 2D CNTâ€“Ti<sub>3</sub>C<sub>2</sub>T<sub>X</sub>â€“MXene electrodes for high-energy solid-state flexible supercapacitors. Journal of Materials Chemistry A, 2021, 9, 26135-26148. | 10.3 | 22 |
| 90 | A reversible and stable doping technique to invert the carrier polarity of MoTe2. Nanotechnology, 2021, 32, 285701. | 2.6 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Terahertz, optical, and Raman signatures of monolayer graphene behavior in thermally reduced graphene oxide films. Journal of Applied Physics, 2013, 113, . | 2.5 | 20 |
| 92 | Tunable near white light photoluminescence of lanthanide ion (Dy3+, Eu3+and Tb3+) doped DNA lattices. RSC Advances, 2015, 5, 55839-55846. | 3.6 | 19 |
| 93 | Graphene Derivative As a Highly Efficient Nitrosonium Source: A Reusable Catalyst for Diazotization and Coupling Reaction. ChemistrySelect, 2016, 1, 6933-6940. | 1.5 | 18 |
| 94 | Temperature influenced chemical growth of hydrous copper oxide/hydroxide thin film electrodes for high performance supercapacitors. Journal of Alloys and Compounds, 2017, 701, 1009-1018. | 5.5 | 18 |
| 95 | Structural, chemical, and electrical parameters of Au/MoS2/n-GaAs metal/2D/3D hybrid heterojunction. Journal of Colloid and Interface Science, 2019, 550, 48-56. | 9.4 | 18 |
| 96 | Impact of different nanostructures of a PEDOT decorated 3D multilayered graphene foam by chemical methods on supercapacitive performance. RSC Advances, 2015, 5, 107864-107871. | 3.6 | 17 |
| 97 | Sensitivity Enhancement in Nickel Hydroxide/3Dâ€Graphene as Enzymeless Glucose Detection. Electroanalysis, 2015, 27, 2363-2370. | 2.9 | 16 |
| 98 | Interfacial Assembled CeO<sub>2â€“x</sub>/Co@N-Doped Carbon Hollow Nanohybrids for High-Performance Lithiumâ€“Sulfur Batteries. ACS Sustainable Chemistry and Engineering, 2021, 9, 14451-14460. | 6.7 | 16 |
| 99 | Review of contact-resistance analysis in nano-material. Journal of Mechanical Science and Technology, 2018, 32, 539-547. | 1.5 | 15 |
| 100 | Hydrous nickel sulphide nanoparticle decorated 3D graphene foam electrodes for enhanced supercapacitive performance of an asymmetric device. New Journal of Chemistry, 2018, 42, 20123-20130. | 2.8 | 15 |
| 101 | Hierarchically designed 3D Cu3N@Ni3N porous nanorod arrays: An efficient and robust electrode for high-energy solid-state hybrid supercapacitors. Applied Materials Today, 2021, 22, 100951. | 4.3 | 15 |
| 102 | Construction of hierarchical nickel cobalt sulfide@manganese oxide nanoarrays@nanosheets <scp>coreâ€shell</scp> electrodes for highâ€performance electrochemical asymmetric supercapacitor. International Journal of Energy Research, 2022, 46, 5250-5259. | 4.5 | 14 |
| 103 | A Reduced Graphene Oxide Based Radio Frequency Glucose Sensing Device Using Multi-Dimensional Parameters. Micromachines, 2016, 7, 136. | 2.9 | 13 |
| 104 | Environmentally benign and cost-effective synthesis of water soluble red light emissive gold nanoclusters: selective and ultra-sensitive detection of mercuric ions. New Journal of Chemistry, 2019, 43, 900-906. | 2.8 | 13 |
| 105 | Simultaneous integration of low-level rhenium (Re) doping and nitrogen-functionalized 3D carbon backbone into nickel-iron hydroxide (NiFeOH) to amplify alkaline water electrolysis at high current densities. Chemical Engineering Journal, 2022, 435, 135184. | 12.7 | 13 |
| 106 | Artificial Rod and Cone Photoreceptors with Humanâ€Like Spectral Sensitivities. Advanced Materials, 2018, 30, e1706764. | 21.0 | 12 |
| 107 | Multi-heterostructured spin-valve junction of vertical FLG/MoSe2/FLG. APL Materials, 2020, 8, . | 5.1 | 11 |
| 108 | Highly Desirable Platform for Efficient Hydrogen Generation: Electrodeposited CoP on N-Doped Vertical Graphene. ACS Applied Energy Materials, 2021, 4, 5697-5705. | 5.1 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Development of directly grownâ€graheneâ€“silicon Schottky barrier solar cell using coâ€doping technique. International Journal of Energy Research, 2022, 46, 11510-11522. | 4.5 | 11 |
| 110 | Surface roughness effects on the frequency tuning performance of a nanoelectromechanical resonator. Nanoscale Research Letters, 2013, 8, 270. | 5.7 | 10 |
| 111 | Resonance Properties of 3C-SiC Nanoelectromechanical Resonator in Room-Temperature Magnetomotive Transduction. IEEE Electron Device Letters, 2009, 30, 1042-1044. | 3.9 | 9 |
| 112 | Electrothermal noise analysis in frequency tuning of nanoresonators. Solid-State Electronics, 2008, 52, 1388-1393. | 1.4 | 8 |
| 113 | Enhanced nonlinear optical characteristics of copper-ion-doped double crossover DNAs. Nanoscale, 2015, 7, 18089-18095. | 5.6 | 8 |
| 114 | Cu<sub>2</sub>Oâ€Cu<sub>2</sub>Se Mixedâ€Phase Nanoflake Arrays: pHâ€Universal Hydrogen Evolution Reactions with Ultralow Overpotential. ChemElectroChem, 2019, 6, 5014-5021. | 3.4 | 8 |
| 115 | Nonlinear characteristics in radio frequency nanoelectromechanical resonators. New Journal of Physics, 2010, 12, 043023. | 2.9 | 7 |
| 116 | Carrier scattering in quasi-free standing graphene on hexagonal boron nitride. Nanoscale, 2017, 9, 15934-15944. | 5.6 | 7 |
| 117 | Carrier Transport Properties of MoS2 Asymmetric Gas Sensor Under Charge Transfer-Based Barrier Modulation. Nanoscale Research Letters, 2018, 13, 265. | 5.7 | 6 |
| 118 | Bio-inspired interface engineering of Ag2O rooted on Au, Ni-modified filter paper for highly robust Znâ€“Ag2O batteries. Journal of Colloid and Interface Science, 2022, 623, 744-751. | 9.4 | 6 |
| 119 | Microwave transmission in graphene oxide. Nanotechnology, 2013, 24, 015201. | 2.6 | 5 |
| 120 | Biotin-streptavidin detection with a graphene-oxide supported radio-frequency resonator. Applied Physics Letters, 2013, 102, . | 3.3 | 5 |
| 121 | Detection of Retinitis Pigmentosa by Differential Interference Contrast Microscopy. PLoS ONE, 2014, 9, e97170. | 2.5 | 5 |
| 122 | Fundamental monomeric biomaterial diagnostics by radio frequency signal analysis. Biosensors and Bioelectronics, 2016, 82, 255-261. | 10.1 | 5 |
| 123 | Phonon-assisted carrier transport through a lattice-mismatched interface. NPG Asia Materials, 2019, 11, . | 7.9 | 5 |
| 124 | Focusâ€Tunable Planar Lenses by Controlled Carriers over Exciton. Advanced Optical Materials, 2021, 9, 2001526. | 7.3 | 5 |
| 125 | Nonlinearity Control of Nanoelectromechanical Resonators. IEEE Electron Device Letters, 2012, 33, 1489-1491. | 3.9 | 4 |
| 126 | Flexible radio frequency interconnect of reduced graphene oxide. 2D Materials, 2018, 5, 035030. | 4.4 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Impedance Variation on Lattice Misoriented Few-Layer Graphene Via Layer Decoupling. IEEE Nanotechnology Magazine, 2019, 18, 55-61. | 2.0 | 4 |
| 128 | Modulation of Magnetoresistance Polarity in BLG/SL-MoSe2 Heterostacks. Nanoscale Research Letters, 2020, 15, 136. | 5.7 | 4 |
| 129 | Evaluation of 3C-SiC Nanomechanical Resonators Using Room Temperature Magnetomotive Transduction. , 0, , . | | 3 |
| 130 | Observation of scattering parameters for bandgap-tuned graphene oxide under 488Ânm illumination. Carbon, 2016, 109, 453-460. | 10.3 | 3 |
| 131 | Phosphorus-Mediated MoS2 : Phosphorus-Mediated MoS2 Nanowires as a High-Performance Electrode Material for Quasi-Solid-State Sodium-Ion Intercalation Supercapacitors (Small 4/2019). Small, 2019, 15, 1970026. | 10.0 | 3 |
| 132 | Graphene based NO<inf>2</inf> gas sensor. , 2010, , . | | 2 |
| 133 | Mechanical Properties Changes During Electrothermal RF Tuning in a Nanoelectromechanical Resonator. IEEE Nanotechnology Magazine, 2013, 12, 596-600. | 2.0 | 2 |
| 134 | Dipole-assisted carrier transport in bis(trifluoromethane) sulfonamide-treated O-ReS2 field-effect transistor. Nano Research, 2021, 14, 2207-2214. | 10.4 | 2 |
| 135 | Facile Chemical Growth of Cu(OH)<sub>2</sub>Thin Film Electrodes for High Performance Supercapacitors. KEPCO Journal on Electric Power and Energy, 2015, 1, 175-180. | 0.1 | 2 |
| 136 | Microwave transmission characteristics of ZnO nanowire. Electronics Letters, 2012, 48, 1073-1074. | 1.0 | 1 |
| 137 | Observation of photoreceptor with retinitis pigmentosa by differential interference contrast microscopy. , 2013, , . | | 1 |
| 138 | Determination of the molecular assembly of actin and actin-binding proteins using photoluminescence. Colloids and Surfaces B: Biointerfaces, 2018, 169, 462-469. | 5.0 | 1 |
| 139 | Preparation of graphene sponge with mechanical stability for compressible supercapacitor electrode. JMST Advances, 2019, 1, 81-87. | 1.9 | 1 |
| 140 | RF Characterization of Multi-walled carbon nanotube and ZnO film. , 2011, , . | | 0 |
| 141 | Asbestos concentration measurement using Differential Interference Contrast microscopy. , 2012, , . | | 0 |
| 142 | Terahertz study of reduced graphene oxide. , 2012, , . | | 0 |
| 143 | Frontispiece: Phosphorus-Doped Graphene Oxide Layer as a Highly Efficient Flame Retardant. Chemistry - A European Journal, 2015, 21, n/a-n/a. | 3.3 | 0 |
| 144 | Photoreceptors: Artificial Rod and Cone Photoreceptors with Human-Like Spectral Sensitivities (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 21.0 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Imaging and Differentiation of Retinal Ganglion Cells in Ex Vivo Experimental Optic Nerve Degeneration by Differential Interference Contrast Microscopy. Current Eye Research, 2019, 44, 760-769. | 1.5 | 0 |
| 146 | Energyâ€Dependent Spectral Analysis of Photonâ€Assisted Carrier Transport at Resonance in Graphene Oxide. Advanced Optical Materials, 2019, 7, 1800861. | 7.3 | 0 |
| 147 | Hysteresis control of nanoelectromechanical resonator with electrothermal power. Electronics Letters, 2014, 50, 1961-1963. | 1.0 | 0 |
| 148 | Preparation of Disordered Carbon Anode By Mechanical Method for Sodium Ion Battery. ECS Meeting Abstracts, 2018, , . | 0.0 | 0 |
| 149 | A Binder-Free Snowflake Grown Microcube Prussian Blue Particles As Possible Electrode for Supercapacitor and Sodium Ion Battery Applications. ECS Meeting Abstracts, 2018, , . | 0.0 | 0 |
| 150 | Inner-Constructed Growth Approach to Fabricate Integrated Chemical Vapor Deposition-Grown Graphene/Ni(OH)2/Ni Foam As an Advanced Electrode for Supercapacitors. ECS Meeting Abstracts, 2018, , . | 0.0 | 0 |