

# Seong Chan Jun

## List of Publications by Year in descending order

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150  
papers

7,948  
citations

38660

50  
h-index

54797

84  
g-index

154  
all docs

154  
docs citations

154  
times ranked

9433  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical MnCo-layered double hydroxides@Ni(OH) <sub>2</sub> core-shell heterostructures as advanced electrodes for supercapacitors. Journal of Materials Chemistry A, 2017, 5, 1043-1049.	5.2	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.	5.2	266
3	Recent Advances in Vanadium-Based Aqueous Rechargeable Zinc-Ion Batteries. Advanced Energy Materials, 2020, 10, 2000477.	10.2	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.	9.5	228
5	Hierarchical manganese cobalt sulfide core-shell nanostructures for high-performance asymmetric supercapacitors. Journal of Power Sources, 2017, 342, 629-637.	4.0	221
6	New insight into the effect of fluorine doping and oxygen vacancies on electrochemical performance of Co <sub>2</sub> MnO <sub>4</sub> for flexible quasi-solid-state asymmetric supercapacitors. Energy Storage Materials, 2019, 22, 384-396.	9.5	189
7	Challenges and Strategies toward Cathode Materials for Rechargeable Potassium-Ion Batteries. Advanced Materials, 2021, 33, e2004689.	11.1	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.	8.8	173
9	Enhanced Supercapacitive Performance of Chemically Grown Cobalt-Nickel Hydroxides on Three-Dimensional Graphene Foam Electrodes. ACS Applied Materials & Interfaces, 2014, 6, 2450-2458.	4.0	164
10	Recent Advances and Perspectives of Battery-Type Anode Materials for Potassium Ion Storage. ACS Nano, 2021, 15, 18931-18973.	7.3	160
11	High-Performance Flexible Quasi-Solid-State Supercapacitors Realized by Molybdenum Dioxide@Nitrogen-Doped Carbon and Copper Cobalt Sulfide Tubular Nanostructures. Advanced Science, 2018, 5, 1800733.	5.6	156
12	Phosphorous-containing oxygen-deficient cobalt molybdate as an advanced electrode material for supercapacitors. Energy Storage Materials, 2019, 19, 186-196.	9.5	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.	5.2	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.	5.2	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.	5.2	133
16	Effect of fluorine doping and sulfur vacancies of CuCo <sub>2</sub> S <sub>4</sub> on its electrochemical performance in supercapacitors. Chemical Engineering Journal, 2020, 390, 124643.	6.6	132
17	Carbonaceous Anode Materials for Non-aqueous Sodium- and Potassium-Ion Hybrid Capacitors. ACS Energy Letters, 2021, 6, 4127-4154.	8.8	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.	4.0	127

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19	Nanostructured pseudocapacitive materials decorated 3D graphene foam electrodes for next generation supercapacitors. <i>Nanoscale</i> , 2015, 7, 6999-7021.	2.8	124
20	Honeycomb-Like Interconnected Network of Nickel Phosphide Heteronanoparticles with Superior Electrochemical Performance for Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 21829-21838.	4.0	123
21	Scalable fabrication of micron-scale graphene nanomeshes for high-performance supercapacitor applications. <i>Energy and Environmental Science</i> , 2016, 9, 1270-1281.	15.6	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. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 37739-37749.	4.0	122
23	Review on Recent Progress in the Development of Tungsten Oxide Based Electrodes for Electrochemical Energy Storage. <i>ChemSusChem</i> , 2020, 13, 11-38.	3.6	121
24	Controlled electrochemical growth of Co(OH) <sub>2</sub> flakes on 3D multilayered graphene foam for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19075-19083.	5.2	117
25	Chemiresistive Electronic Nose toward Detection of Biomarkers in Exhaled Breath. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 20969-20976.	4.0	113
26	Stacked Porous Iron-Doped Nickel Cobalt Phosphide Nanoparticle: An Efficient and Stable Water Splitting Electrocatalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6146-6156.	3.2	113
27	Atomic-Level Platinum Filling into Ni Vacancies of Dual-Deficient NiO for Boosting Electrocatalytic Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	110
28	Controllable sulfuration engineered NiO nanosheets with enhanced capacitance for high rate supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4543-4549.	5.2	105
29	Nanomechanical hydrogen sensing. <i>Applied Physics Letters</i> , 2005, 86, 143104.	1.5	103
30	Static and Dynamic Performance of Complementary Inverters Based on Nanosheet $\text{In}_2\text{MoTe}_2$ -Channel and $\text{MoS}_2$ -Channel Transistors. <i>ACS Nano</i> , 2016, 10, 1118-1125.	7.3	98
31	Electrothermal tuning of Al-SiC nanomechanical resonators. <i>Nanotechnology</i> , 2006, 17, 1506-1511.	1.3	96
32	Enhanced Symmetric Supercapacitive Performance of Co(OH) <sub>2</sub> Nanorods Decorated Conducting Porous Graphene Foam Electrodes. <i>Electrochimica Acta</i> , 2014, 129, 334-342.	2.6	91
33	Phosphorus Regulated Cobalt Oxide@Nitrogen-Doped Carbon Nanowires for Flexible Quasi-Solid State Supercapacitors. <i>Small</i> , 2020, 16, e1906458.	5.2	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. <i>Nano Letters</i> , 2018, 18, 1937-1945.	4.5	86
35	Phosphorus-Doped Graphene Oxide Layer as a Highly Efficient Flame Retardant. <i>Chemistry - A European Journal</i> , 2015, 21, 15480-15485.	1.7	85
36	Realizing Superior Redox Kinetics of Hollow Bimetallic Sulfide Nanoarchitectures by Defect-Induced Manipulation toward Flexible Solid State Supercapacitors. <i>Small</i> , 2022, 18, e2104507.	5.2	85

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37	Epoxy to Carbonyl Group Conversion in Graphene Oxide Thin Films: Effect on Structural and Luminescent Characteristics. <i>Journal of Physical Chemistry C</i> , 2012, 116, 19010-19017.	1.5	83
38	Phosphorus dual-site driven CoS <sub>2</sub> @S, N co-doped porous carbon nanosheets for flexible quasi-solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26618-26630.	5.2	82
39	Phosphorus-Mediated MoS <sub>2</sub> Nanowires as a High-Performance Electrode Material for Quasi-Solid-State Sodium-Ion Intercalation Supercapacitors. <i>Small</i> , 2019, 15, e1803984.	5.2	81
40	Redox Additive-Improved Electrochemically and Structurally Robust Binder-Free Nickel Pyrophosphate Nanorods as Superior Cathode for Hybrid Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 8045-8056.	4.0	75
41	Layered manganese metal-organic framework with high specific and areal capacitance for hybrid supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 387, 122982.	6.6	74
42	Cobalt carbonate hydroxides as advanced battery-type materials for supercapacitors: Influence of morphology on performance. <i>Electrochimica Acta</i> , 2018, 259, 1037-1044.	2.6	70
43	A facile synthesis of hierarchical $\gamma$ -MnO <sub>2</sub> nanofibers on 3D-graphene foam for supercapacitor application. <i>Materials Letters</i> , 2014, 119, 135-139.	1.3	68
44	PolyHIPE Derived Freestanding 3D Carbon Foam for Cobalt Hydroxide Nanorods Based High Performance Supercapacitor. <i>Scientific Reports</i> , 2016, 6, 35490.	1.6	67
45	Multicolor emissive carbon dot with solvatochromic behavior across the entire visible spectrum. <i>Carbon</i> , 2020, 156, 110-118.	5.4	64
46	Direct growth of WO <sub>3</sub> nanostructures on multi-walled carbon nanotubes for high-performance flexible all-solid-state asymmetric supercapacitor. <i>Electrochimica Acta</i> , 2019, 308, 231-242.	2.6	63
47	Two-dimensional MXenes for electrochemical energy storage applications. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1105-1149.	5.2	63
48	Facile approach to synthesize highly fluorescent multicolor emissive carbon dots via surface functionalization for cellular imaging. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 505-514.	5.0	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. <i>RSC Advances</i> , 2016, 6, 101592-101601.	1.7	57
50	Clean transfer of graphene and its effect on contact resistance. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	56
51	3D yolk-shell NiGa <sub>2</sub> S <sub>4</sub> microspheres confined with nanosheets for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6292-6298.	5.2	52
52	Contact Effect of ReS <sub>2</sub> /Metal Interface. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 26325-26332.	4.0	50
53	Layer dependence and gas molecule absorption property in MoS <sub>2</sub> Schottky diode with asymmetric metal contacts. <i>Scientific Reports</i> , 2015, 5, 10440.	1.6	49
54	All-redox solid-state supercapacitor with cobalt manganese oxide@bimetallic hydroxides and vanadium nitride@nitrogen-doped carbon electrodes. <i>Chemical Engineering Journal</i> , 2021, 405, 127029.	6.6	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. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19046-19053.	5.2	48
56	Highly Dispersed Pt Clusters on F-Doped Tin(IV) Oxide Aerogel Matrix: An Ultra-Robust Hybrid Catalyst for Enhanced Hydrogen Evolution. <i>ACS Nano</i> , 2022, 16, 1625-1638.	7.3	48
57	Humidity-Tolerant Single-Stranded DNA-Functionalized Graphene Probe for Medical Applications of Exhaled Breath Analysis. <i>Advanced Functional Materials</i> , 2017, 27, 1700068.	7.8	47
58	Self-assembled bimetallic cobalt-manganese metal-organic framework as a highly efficient, robust electrode for asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2020, 335, 135327.	2.6	46
59	Post-heating effects on the physical and electrochemical capacitive properties of reduced graphene oxide paper. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5077.	5.2	44
60	Substrate and buffer layer effect on the structural and optical properties of graphene oxide thin films. <i>RSC Advances</i> , 2013, 3, 5926.	1.7	43
61	Metal-organic-framework-derived hierarchical Co/CoP-decorated nanoporous carbon polyhedra for robust high-energy storage hybrid supercapacitors. <i>Dalton Transactions</i> , 2020, 49, 1157-1166.	1.6	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. <i>RSC Advances</i> , 2016, 6, 43261-43271.	1.7	41
63	Graphene-Iodine Nanocomposites: Highly Potent Bacterial Inhibitors that are Bio-compatible with Human Cells. <i>Scientific Reports</i> , 2016, 6, 20015.	1.6	38
64	Potentiodynamic polarization assisted phosphorus-containing amorphous trimetal hydroxide nanofibers for highly efficient hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5721-5733.	5.2	38
65	All-solid-state flexible asymmetric micro supercapacitors based on cobalt hydroxide and reduced graphene oxide electrodes. <i>RSC Advances</i> , 2016, 6, 43844-43854.	1.7	37
66	Nickel hydroxide/chemical vapor deposition-grown graphene/nickel hydroxide/nickel foam hybrid electrode for high performance supercapacitors. <i>Electrochimica Acta</i> , 2019, 297, 479-487.	2.6	37
67	Tunable wide blue photoluminescence with europium decorated graphene. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4030-4038.	2.7	36
68	Radio frequency based label-free detection of glucose. <i>Biosensors and Bioelectronics</i> , 2014, 54, 141-145.	5.3	34
69	Unconventional Terahertz Carrier Relaxation in Graphene Oxide: Observation of Enhanced Auger Recombination Due to Defect Saturation. <i>ACS Nano</i> , 2014, 8, 2486-2494.	7.3	33
70	Efficient Direct Reduction of Graphene Oxide by Silicon Substrate. <i>Scientific Reports</i> , 2015, 5, 12306.	1.6	32
71	High-concentration dispersions of exfoliated MoS <sub>2</sub> sheets stabilized by freeze-dried silk fibroin powder. <i>Nano Research</i> , 2016, 9, 1709-1722.	5.8	31
72	Controlling the luminescence emission from palladium grafted graphene oxide thin films via reduction. <i>Nanoscale</i> , 2013, 5, 5620.	2.8	30

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73	Facile hydrothermal synthesis of carbon-coated cobalt ferrite spherical nanoparticles as a potential negative electrode for flexible supercapattery. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 480-488.	5.0	30
74	Enhanced Non-enzymatic amperometric sensing of glucose using Co(OH) <sub>2</sub> nanorods deposited on a three dimensional graphene network as an electrode material. <i>Mikrochimica Acta</i> , 2016, 183, 2473-2479.	2.5	29
75	Electrically focus-tuneable ultrathin lens for high-resolution square subpixels. <i>Light: Science and Applications</i> , 2020, 9, 98.	7.7	29
76	Surface plasmon enhancement of photoluminescence in photo-chemically synthesized graphene quantum dot and Au nanosphere. <i>Nano Research</i> , 2016, 9, 1866-1875.	5.8	28
77	Sensitivity Enhancement of Bead-based Electrochemical Impedance Spectroscopy (BEIS) biosensor by electric field-focusing in microwells. <i>Biosensors and Bioelectronics</i> , 2016, 85, 16-24.	5.3	28
78	Two-dimensional electronic devices modulated by the activation of donor-like states in boron nitride. <i>Nanoscale</i> , 2020, 12, 18171-18179.	2.8	28
79	Radio-frequency characteristics of graphene oxide. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	27
80	Reduced graphene oxide enwrapped phosphors for long-term thermally stable phosphor converted white light emitting diodes. <i>Scientific Reports</i> , 2016, 6, 33993.	1.6	27
81	Passive electrical properties of multi-walled carbon nanotubes up to 0.1 THz. <i>New Journal of Physics</i> , 2007, 9, 265-265.	1.2	26
82	Top and back gate molybdenum disulfide transistors coupled for logic and photo-inverter operation. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8023-8028.	2.7	26
83	Few-layered $\pm$ -MoTe <sub>2</sub> Schottky junction for a high sensitivity chemical-vapour sensor. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10714-10722.	2.7	25
84	An unexpected phase-transformation of cobalt-vanadium layered double hydroxides toward high energy density hybrid supercapacitor. <i>Journal of Power Sources</i> , 2021, 486, 229341.	4.0	25
85	Terahertz and optical study of monolayer graphene processed by plasma oxidation. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	24
86	A MEMS ultrasound stimulation system for modulation of neural circuits with high spatial resolution in vitro. <i>Microsystems and Nanoengineering</i> , 2019, 5, 28.	3.4	24
87	Nitrogen-doped carbon integrated nickel-cobalt metal phosphide marigold flowers as a high capacity electrode for hybrid supercapacitors. <i>CrystEngComm</i> , 2020, 22, 6360-6370.	1.3	23
88	A systematic approach to achieve high energy density hybrid supercapacitors based on Ni-Co-Fe hydroxide. <i>Electrochimica Acta</i> , 2020, 353, 136578.	2.6	22
89	2D-on-2D core-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 CNT-Ti <sub>3</sub> C <sub>2</sub> T <sub>X</sub> MXene electrodes for high-energy solid-state flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26135-26148.	5.2	22
90	A reversible and stable doping technique to invert the carrier polarity of MoTe <sub>2</sub> . <i>Nanotechnology</i> , 2021, 32, 285701.	1.3	21

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91	Terahertz, optical, and Raman signatures of monolayer graphene behavior in thermally reduced graphene oxide films. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	20
92	Tunable near white light photoluminescence of lanthanide ion (Dy <sup>3+</sup> , Eu <sup>3+</sup> and Tb <sup>3+</sup> ) doped DNA lattices. <i>RSC Advances</i> , 2015, 5, 55839-55846.	1.7	19
93	Graphene Derivative As a Highly Efficient Nitrosonium Source: A Reusable Catalyst for Diazotization and Coupling Reaction. <i>ChemistrySelect</i> , 2016, 1, 6933-6940.	0.7	18
94	Temperature influenced chemical growth of hydrous copper oxide/hydroxide thin film electrodes for high performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2017, 701, 1009-1018.	2.8	18
95	Structural, chemical, and electrical parameters of Au/MoS <sub>2</sub> /n-GaAs metal/2D/3D hybrid heterojunction. <i>Journal of Colloid and Interface Science</i> , 2019, 550, 48-56.	5.0	18
96	Impact of different nanostructures of a PEDOT decorated 3D multilayered graphene foam by chemical methods on supercapacitive performance. <i>RSC Advances</i> , 2015, 5, 107864-107871.	1.7	17
97	Sensitivity Enhancement in Nickel Hydroxide/3D Graphene as Enzymeless Glucose Detection. <i>Electroanalysis</i> , 2015, 27, 2363-2370.	1.5	16
98	Interfacial Assembled CeO <sub>2</sub> /Co@N-Doped Carbon Hollow Nanohybrids for High-Performance Lithium-Sulfur Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 14451-14460.	3.2	16
99	Review of contact-resistance analysis in nano-material. <i>Journal of Mechanical Science and Technology</i> , 2018, 32, 539-547.	0.7	15
100	Hydrous nickel sulphide nanoparticle decorated 3D graphene foam electrodes for enhanced supercapacitive performance of an asymmetric device. <i>New Journal of Chemistry</i> , 2018, 42, 20123-20130.	1.4	15
101	Hierarchically designed 3D Cu <sub>3</sub> N@Ni <sub>3</sub> N porous nanorod arrays: An efficient and robust electrode for high-energy solid-state hybrid supercapacitors. <i>Applied Materials Today</i> , 2021, 22, 100951.	2.3	15
102	Construction of hierarchical nickel cobalt sulfide@manganese oxide nanoarrays@nanosheets core-shell electrodes for high performance electrochemical asymmetric supercapacitor. <i>International Journal of Energy Research</i> , 2022, 46, 5250-5259.	2.2	14
103	A Reduced Graphene Oxide Based Radio Frequency Glucose Sensing Device Using Multi-Dimensional Parameters. <i>Micromachines</i> , 2016, 7, 136.	1.4	13
104	Environmentally benign and cost-effective synthesis of water soluble red light emissive gold nanoclusters: selective and ultra-sensitive detection of mercuric ions. <i>New Journal of Chemistry</i> , 2019, 43, 900-906.	1.4	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. <i>Chemical Engineering Journal</i> , 2022, 435, 135184.	6.6	13
106	Artificial Rod and Cone Photoreceptors with Human-Like Spectral Sensitivities. <i>Advanced Materials</i> , 2018, 30, e1706764.	11.1	12
107	Multi-heterostructured spin-valve junction of vertical FLG/MoSe <sub>2</sub> /FLG. <i>APL Materials</i> , 2020, 8, .	2.2	11
108	Highly Desirable Platform for Efficient Hydrogen Generation: Electrodeposited CoP on N-Doped Vertical Graphene. <i>ACS Applied Energy Materials</i> , 2021, 4, 5697-5705.	2.5	11

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109	Development of directly grown "graphene" silicon Schottky barrier solar cell using co-doping technique. International Journal of Energy Research, 2022, 46, 11510-11522.	2.2	11
110	Surface roughness effects on the frequency tuning performance of a nanoelectromechanical resonator. Nanoscale Research Letters, 2013, 8, 270.	3.1	10
111	Resonance Properties of 3C-SiC Nanoelectromechanical Resonator in Room-Temperature Magnetomotive Transduction. IEEE Electron Device Letters, 2009, 30, 1042-1044.	2.2	9
112	Electrothermal noise analysis in frequency tuning of nanoresonators. Solid-State Electronics, 2008, 52, 1388-1393.	0.8	8
113	Enhanced nonlinear optical characteristics of copper-ion-doped double crossover DNAs. Nanoscale, 2015, 7, 18089-18095.	2.8	8
114	Cu <sub>2</sub> O/Cu <sub>2</sub> Se Mixed-Phase Nanoflake Arrays: pH-Universal Hydrogen Evolution Reactions with Ultralow Overpotential. ChemElectroChem, 2019, 6, 5014-5021.	1.7	8
115	Nonlinear characteristics in radio frequency nanoelectromechanical resonators. New Journal of Physics, 2010, 12, 043023.	1.2	7
116	Carrier scattering in quasi-free standing graphene on hexagonal boron nitride. Nanoscale, 2017, 9, 15934-15944.	2.8	7
117	Carrier Transport Properties of MoS <sub>2</sub> Asymmetric Gas Sensor Under Charge Transfer-Based Barrier Modulation. Nanoscale Research Letters, 2018, 13, 265.	3.1	6
118	Bio-inspired interface engineering of Ag <sub>2</sub> O rooted on Au, Ni-modified filter paper for highly robust Zn-Ag <sub>2</sub> O batteries. Journal of Colloid and Interface Science, 2022, 623, 744-751.	5.0	6
119	Microwave transmission in graphene oxide. Nanotechnology, 2013, 24, 015201.	1.3	5
120	Biotin-streptavidin detection with a graphene-oxide supported radio-frequency resonator. Applied Physics Letters, 2013, 102, .	1.5	5
121	Detection of Retinitis Pigmentosa by Differential Interference Contrast Microscopy. PLoS ONE, 2014, 9, e97170.	1.1	5
122	Fundamental monomeric biomaterial diagnostics by radio frequency signal analysis. Biosensors and Bioelectronics, 2016, 82, 255-261.	5.3	5
123	Phonon-assisted carrier transport through a lattice-mismatched interface. NPG Asia Materials, 2019, 11, .	3.8	5
124	Focus-Tunable Planar Lenses by Controlled Carriers over Exciton. Advanced Optical Materials, 2021, 9, 2001526.	3.6	5
125	Nonlinearity Control of Nanoelectromechanical Resonators. IEEE Electron Device Letters, 2012, 33, 1489-1491.	2.2	4
126	Flexible radio frequency interconnect of reduced graphene oxide. 2D Materials, 2018, 5, 035030.	2.0	4

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127	Impedance Variation on Lattice Misoriented Few-Layer Graphene Via Layer Decoupling. IEEE Nanotechnology Magazine, 2019, 18, 55-61.	1.1	4
128	Modulation of Magnetoresistance Polarity in BLG/SL-MoSe <sub>2</sub> Heterostacks. Nanoscale Research Letters, 2020, 15, 136.	3.1	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 488Ånm illumination. Carbon, 2016, 109, 453-460.	5.4	3
131	Phosphorus-Mediated MoS <sub>2</sub> : Phosphorus-Mediated MoS <sub>2</sub> Nanowires as a High-Performance Electrode Material for Quasi-Solid-State Sodium-Ion Intercalation Supercapacitors (Small 4/2019). Small, 2019, 15, 1970026.	5.2	3
132	Graphene based NO <sub>2</sub> gas sensor. , 2010, , .		2
133	Mechanical Properties Changes During Electrothermal RF Tuning in a Nanoelectromechanical Resonator. IEEE Nanotechnology Magazine, 2013, 12, 596-600.	1.1	2
134	Dipole-assisted carrier transport in bis(trifluoromethane) sulfonamide-treated O-ReS <sub>2</sub> field-effect transistor. Nano Research, 2021, 14, 2207-2214.	5.8	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.	0.5	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.	2.5	1
139	Preparation of graphene sponge with mechanical stability for compressible supercapacitor electrode. JMST Advances, 2019, 1, 81-87.	0.6	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.	1.7	0
144	Photoreceptors: Artificial Rod and Cone Photoreceptors with Human-Like Spectral Sensitivities (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	19.1	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.	0.7	0
146	Energy-Dependent Spectral Analysis of Photon-Assisted Carrier Transport at Resonance in Graphene Oxide. Advanced Optical Materials, 2019, 7, 1800861.	3.6	0
147	Hysteresis control of nanoelectromechanical resonator with electrothermal power. Electronics Letters, 2014, 50, 1961-1963.	0.5	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) <sub>2</sub> /Ni Foam As an Advanced Electrode for Supercapacitors. ECS Meeting Abstracts, 2018, , .	0.0	0