

# 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	Construction of hierarchical nickel cobalt sulfide@manganese oxide nanoarrays@nanosheets <scp>core@shell</scp> electrodes for high-performance electrochemical asymmetric supercapacitor. International Journal of Energy Research, 2022, 46, 5250-5259.	2.2	14
2	Realizing Superior Redox Kinetics of Hollow Bimetallic Sulfide Nanoarchitectures by Defect-Induced Manipulation toward Flexible Solid-State Supercapacitors. Small, 2022, 18, e2104507.	5.2	85
3	Two-dimensional MXenes for electrochemical energy storage applications. Journal of Materials Chemistry A, 2022, 10, 1105-1149.	5.2	63
4	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.	7.3	48
5	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.	6.6	13
6	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
7	Atomic-Level Platinum Filling into Ni-Vacancies of Dual-Deficient NiO for Boosting Electrocatalytic Hydrogen Evolution. Advanced Energy Materials, 2022, 12, .	10.2	110
8	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
9	Focus-Tunable Planar Lenses by Controlled Carriers over Exciton. Advanced Optical Materials, 2021, 9, 2001526.	3.6	5
10	All-redox solid-state supercapacitor with cobalt manganese oxide@bimetallic hydroxides and vanadium nitride@nitrogen-doped carbon electrodes. Chemical Engineering Journal, 2021, 405, 127029.	6.6	49
11	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
12	Challenges and Strategies toward Cathode Materials for Rechargeable Potassium-Ion Batteries. Advanced Materials, 2021, 33, e2004689.	11.1	188
13	An unexpected phase-transformation of cobalt-vanadium layered double hydroxides toward high energy density hybrid supercapacitor. Journal of Power Sources, 2021, 486, 229341.	4.0	25
14	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
15	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. Applied Materials Today, 2021, 22, 100951.	2.3	15
16	A reversible and stable doping technique to invert the carrier polarity of MoTe <sub>2</sub> . Nanotechnology, 2021, 32, 285701.	1.3	21
17	Highly Desirable Platform for Efficient Hydrogen Generation: Electrodeposited CoP on N-Doped Vertical Graphene. ACS Applied Energy Materials, 2021, 4, 5697-5705.	2.5	11
18	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

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19	Interfacial Assembled CeO <sub>2</sub> /Co@N-Doped Carbon Hollow Nanohybrids for High-Performance Lithium-Sulfur Batteries. ACS Sustainable Chemistry and Engineering, 2021, 9, 14451-14460.	3.2	16
20	Carbonaceous Anode Materials for Non-aqueous Sodium- and Potassium-Ion Hybrid Capacitors. ACS Energy Letters, 2021, 6, 4127-4154.	8.8	129
21	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. Journal of Materials Chemistry A, 2021, 9, 26135-26148.	5.2	22
22	Recent Advances and Perspectives of Battery-Type Anode Materials for Potassium Ion Storage. ACS Nano, 2021, 15, 18931-18973.	7.3	160
23	Layered manganese metal-organic framework with high specific and areal capacitance for hybrid supercapacitors. Chemical Engineering Journal, 2020, 387, 122982.	6.6	74
24	Review on Recent Progress in the Development of Tungsten Oxide Based Electrodes for Electrochemical Energy Storage. ChemSusChem, 2020, 13, 11-38.	3.6	121
25	Multicolor emissive carbon dot with solvatochromic behavior across the entire visible spectrum. Carbon, 2020, 156, 110-118.	5.4	64
26	Phosphorus Regulated Cobalt Oxide@Nitrogen-Doped Carbon Nanowires for Flexible Quasi-Solid-State Supercapacitors. Small, 2020, 16, e1906458.	5.2	90
27	Metal-organic-framework-derived hierarchical Co/CoP-decorated nanoporous carbon polyhedra for robust high-energy storage hybrid supercapacitors. Dalton Transactions, 2020, 49, 1157-1166.	1.6	42
28	Self-assembled bimetallic cobalt-manganese metal-organic framework as a highly efficient, robust electrode for asymmetric supercapacitors. Electrochimica Acta, 2020, 335, 135327.	2.6	46
29	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
30	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
31	Multi-heterostructured spin-valve junction of vertical FLG/MoSe <sub>2</sub> /FLG. APL Materials, 2020, 8, .	2.2	11
32	Nitrogen-doped carbon integrated nickel-cobalt metal phosphide marigold flowers as a high capacity electrode for hybrid supercapacitors. CrystEngComm, 2020, 22, 6360-6370.	1.3	23
33	Recent Advances in Vanadium-Based Aqueous Rechargeable Zinc-Ion Batteries. Advanced Energy Materials, 2020, 10, 2000477.	10.2	265
34	A systematic approach to achieve high energy density hybrid supercapacitors based on Ni-Co-Fe hydroxide. Electrochimica Acta, 2020, 353, 136578.	2.6	22
35	Electrically focus-tuneable ultrathin lens for high-resolution square subpixels. Light: Science and Applications, 2020, 9, 98.	7.7	29
36	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

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37	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
38	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
39	Modulation of Magnetoresistance Polarity in BLG/SL-MoSe <sub>2</sub> Heterostacks. <i>Nanoscale Research Letters</i> , 2020, 15, 136.	3.1	4
40	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
41	Preparation of graphene sponge with mechanical stability for compressible supercapacitor electrode. <i>JMST Advances</i> , 2019, 1, 81-87.	0.6	1
42	Cu <sub>2</sub> O/Cu <sub>2</sub> Se Mixed-Phase Nanoflake Arrays: pH-Universal Hydrogen Evolution Reactions with Ultralow Overpotential. <i>ChemElectroChem</i> , 2019, 6, 5014-5021.	1.7	8
43	Impedance Variation on Lattice Misoriented Few-Layer Graphene Via Layer Decoupling. <i>IEEE Nanotechnology Magazine</i> , 2019, 18, 55-61.	1.1	4
44	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
45	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). <i>Small</i> , 2019, 15, 1970026.	5.2	3
46	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
47	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
48	Imaging and Differentiation of Retinal Ganglion Cells in Ex Vivo Experimental Optic Nerve Degeneration by Differential Interference Contrast Microscopy. <i>Current Eye Research</i> , 2019, 44, 760-769.	0.7	0
49	Phonon-assisted carrier transport through a lattice-mismatched interface. <i>NPG Asia Materials</i> , 2019, 11, .	3.8	5
50	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. <i>Energy Storage Materials</i> , 2019, 22, 384-396.	9.5	189
51	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
52	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
53	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
54	Energy-Dependent Spectral Analysis of Photon-Assisted Carrier Transport at Resonance in Graphene Oxide. <i>Advanced Optical Materials</i> , 2019, 7, 1800861.	3.6	0

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55	Phosphorous-containing oxygen-deficient cobalt molybdate as an advanced electrode material for supercapacitors. <i>Energy Storage Materials</i> , 2019, 19, 186-196.	9.5	145
56	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
57	Effect of cation substitution on the pseudocapacitive performance of spinel cobaltite $\text{MCo}_2\text{O}_4$ (M = Mn, Ni, Cu, and Co). <i>Journal of Materials Chemistry A</i> , 2018, 6, 10674-10685.	5.2	266
58	Review of contact-resistance analysis in nano-material. <i>Journal of Mechanical Science and Technology</i> , 2018, 32, 539-547.	0.7	15
59	Vertical and In-Plane Current Devices Using $\text{NbS}_2/\text{n-MoS}_2$ van der Waals Schottky Junction and Graphene Contact. <i>Nano Letters</i> , 2018, 18, 1937-1945.	4.5	86
60	Conceptual design of three-dimensional $\text{CoN/Ni}_3\text{N}$ -coupled nanograsses integrated on N-doped carbon to serve as efficient and robust water splitting electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4466-4476.	5.2	143
61	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
62	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
63	Cobalt carbonate hydroxides as advanced battery-type materials for supercapatteries: Influence of morphology on performance. <i>Electrochimica Acta</i> , 2018, 259, 1037-1044.	2.6	70
64	Binder-free cobalt phosphate one-dimensional nanograsses as ultrahigh-performance cathode material for hybrid supercapacitor applications. <i>Journal of Power Sources</i> , 2018, 373, 211-219.	4.0	127
65	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
66	Carrier Transport Properties of $\text{MoS}_2$ Asymmetric Gas Sensor Under Charge Transfer-Based Barrier Modulation. <i>Nanoscale Research Letters</i> , 2018, 13, 265.	3.1	6
67	Determination of the molecular assembly of actin and actin-binding proteins using photoluminescence. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 169, 462-469.	2.5	1
68	Artificial Rod and Cone Photoreceptors with Human-Like Spectral Sensitivities. <i>Advanced Materials</i> , 2018, 30, e1706764.	11.1	12
69	Flexible radio frequency interconnect of reduced graphene oxide. <i>2D Materials</i> , 2018, 5, 035030.	2.0	4
70	Photoreceptors: Artificial Rod and Cone Photoreceptors with Human-Like Spectral Sensitivities (Adv.) <i>Tj ETQq0 0 0 rgrBT /Overlock 10 Tf</i>	19.1	
71	Few-layered $\text{I}_2\text{-MoTe}_2$ Schottky junction for a high sensitivity chemical-vapour sensor. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10714-10722.	2.7	25
72	High-Performance Flexible Quasi-Solid-State Supercapacitors Realized by Molybdenum Dioxide@Nitrogen-Doped Carbon and Copper Cobalt Sulfide Tubular Nanostructures. <i>Advanced Science</i> , 2018, 5, 1800733.	5.6	156

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73	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
74	Preparation of Disordered Carbon Anode By Mechanical Method for Sodium Ion Battery. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
75	A Binder-Free Snowflake Grown Microcube Prussian Blue Particles As Possible Electrode for Supercapacitor and Sodium Ion Battery Applications. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
76	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. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
77	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
78	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
79	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
80	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
81	Hierarchical manganese cobalt sulfide core-shell nanostructures for high-performance asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2017, 342, 629-637.	4.0	221
82	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
83	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
84	Carrier scattering in quasi-free standing graphene on hexagonal boron nitride. <i>Nanoscale</i> , 2017, 9, 15934-15944.	2.8	7
85	Contact Effect of ReS <sub>2</sub> /Metal Interface. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 26325-26332.	4.0	50
86	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
87	Hierarchical MnCo-layered double hydroxides@Ni(OH) <sub>2</sub> core-shell heterostructures as advanced electrodes for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1043-1049.	5.2	296
88	A Reduced Graphene Oxide Based Radio Frequency Glucose Sensing Device Using Multi-Dimensional Parameters. <i>Micromachines</i> , 2016, 7, 136.	1.4	13
89	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
90	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

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91	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.	1.7	41
92	High-concentration dispersions of exfoliated MoS <sub>2</sub> sheets stabilized by freeze-dried silk fibroin powder. Nano Research, 2016, 9, 1709-1722.	5.8	31
93	All-solid-state flexible asymmetric micro supercapacitors based on cobalt hydroxide and reduced graphene oxide electrodes. RSC Advances, 2016, 6, 43844-43854.	1.7	37
94	Surface plasmon enhancement of photoluminescence in photo-chemically synthesized graphene quantum dot and Au nanosphere. Nano Research, 2016, 9, 1866-1875.	5.8	28
95	Sensitivity Enhancement of Bead-based Electrochemical Impedance Spectroscopy (BEIS) biosensor by electric field-focusing in microwells. Biosensors and Bioelectronics, 2016, 85, 16-24.	5.3	28
96	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.	1.7	57
97	Observation of scattering parameters for bandgap-tuned graphene oxide under 488Ånm illumination. Carbon, 2016, 109, 453-460.	5.4	3
98	Chemiresistive Electronic Nose toward Detection of Biomarkers in Exhaled Breath. ACS Applied Materials & Interfaces, 2016, 8, 20969-20976.	4.0	113
99	Graphene-Iodine Nanocomposites: Highly Potent Bacterial Inhibitors that are Bio-compatible with Human Cells. Scientific Reports, 2016, 6, 20015.	1.6	38
100	PolyHIPE Derived Freestanding 3D Carbon Foam for Cobalt Hydroxide Nanorods Based High Performance Supercapacitor. Scientific Reports, 2016, 6, 35490.	1.6	67
101	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. Mikrochimica Acta, 2016, 183, 2473-2479.	2.5	29
102	Fundamental monomeric biomaterial diagnostics by radio frequency signal analysis. Biosensors and Bioelectronics, 2016, 82, 255-261.	5.3	5
103	Scalable fabrication of micron-scale graphene nanomeshes for high-performance supercapacitor applications. Energy and Environmental Science, 2016, 9, 1270-1281.	15.6	122
104	Static and Dynamic Performance of Complementary Inverters Based on Nanosheet $\text{In}_2\text{MoTe}_2$ <i>p</i> -Channel and MoS <sub>2</sub> <i>n</i> -Channel Transistors. ACS Nano, 2016, 10, 1118-1125.	7.3	98
105	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
106	Sensitivity Enhancement in Nickel Hydroxide/3D Graphene as Enzymeless Glucose Detection. Electroanalysis, 2015, 27, 2363-2370.	1.5	16
107	Impact of different nanostructures of a PEDOT decorated 3D multilayered graphene foam by chemical methods on supercapacitive performance. RSC Advances, 2015, 5, 107864-107871.	1.7	17
108	Nanostructured pseudocapacitive materials decorated 3D graphene foam electrodes for next generation supercapacitors. Nanoscale, 2015, 7, 6999-7021.	2.8	124

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109	Efficient Direct Reduction of Graphene Oxide by Silicon Substrate. <i>Scientific Reports</i> , 2015, 5, 12306.	1.6	32
110	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
111	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
112	Tunable wide blue photoluminescence with europium decorated graphene. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4030-4038.	2.7	36
113	Phosphorus-doped Graphene Oxide Layer as a Highly Efficient Flame Retardant. <i>Chemistry - A European Journal</i> , 2015, 21, 15480-15485.	1.7	85
114	Enhanced nonlinear optical characteristics of copper-ion-doped double crossover DNAs. <i>Nanoscale</i> , 2015, 7, 18089-18095.	2.8	8
115	Facile Chemical Growth of Cu(OH) <sub>2</sub> Thin Film Electrodes for High Performance Supercapacitors. <i>KEPCO Journal on Electric Power and Energy</i> , 2015, 1, 175-180.	0.1	2
116	Detection of Retinitis Pigmentosa by Differential Interference Contrast Microscopy. <i>PLoS ONE</i> , 2014, 9, e97170.	1.1	5
117	Radio frequency based label-free detection of glucose. <i>Biosensors and Bioelectronics</i> , 2014, 54, 141-145.	5.3	34
118	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
119	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
120	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
121	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
122	Enhanced Supercapacitive Performance of Chemically Grown Cobalt-Nickel Hydroxides on Three-Dimensional Graphene Foam Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 2450-2458.	4.0	164
123	A facile synthesis of hierarchical MnO <sub>2</sub> nanofibers on 3D-graphene foam for supercapacitor application. <i>Materials Letters</i> , 2014, 119, 135-139.	1.3	68
124	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
125	Hysteresis control of nanoelectromechanical resonator with electrothermal power. <i>Electronics Letters</i> , 2014, 50, 1961-1963.	0.5	0
126	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



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127	Clean transfer of graphene and its effect on contact resistance. Applied Physics Letters, 2013, 103, .	1.5	56
128	Surface roughness effects on the frequency tuning performance of a nanoelectromechanical resonator. Nanoscale Research Letters, 2013, 8, 270.	3.1	10
129	Controlling the luminescence emission from palladium grafted graphene oxide thin films via reduction. Nanoscale, 2013, 5, 5620.	2.8	30
130	Mechanical Properties Changes During Electrothermal RF Tuning in a Nanoelectromechanical Resonator. IEEE Nanotechnology Magazine, 2013, 12, 596-600.	1.1	2
131	Terahertz and optical study of monolayer graphene processed by plasma oxidation. Applied Physics Letters, 2013, 102, .	1.5	24
132	Terahertz, optical, and Raman signatures of monolayer graphene behavior in thermally reduced graphene oxide films. Journal of Applied Physics, 2013, 113, .	1.1	20
133	Microwave transmission in graphene oxide. Nanotechnology, 2013, 24, 015201.	1.3	5
134	Observation of photoreceptor with retinitis pigmentosa by differential interference contrast microscopy. , 2013, , .		1
135	Biotin-streptavidin detection with a graphene-oxide supported radio-frequency resonator. Applied Physics Letters, 2013, 102, .	1.5	5
136	Microwave transmission characteristics of ZnO nanowire. Electronics Letters, 2012, 48, 1073-1074.	0.5	1
137	Asbestos concentration measurement using Differential Interference Contrast microscopy. , 2012, , .		0
138	Nonlinearity Control of Nanoelectromechanical Resonators. IEEE Electron Device Letters, 2012, 33, 1489-1491.	2.2	4
139	Terahertz study of reduced graphene oxide. , 2012, , .		0
140	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.	1.5	83
141	RF Characterization of Multi-walled carbon nanotube and ZnO film. , 2011, , .		0
142	Nonlinear characteristics in radio frequency nanoelectromechanical resonators. New Journal of Physics, 2010, 12, 043023.	1.2	7
143	Radio-frequency characteristics of graphene oxide. Applied Physics Letters, 2010, 97, .	1.5	27
144	Graphene based NO <sub>2</sub> gas sensor. , 2010, , .		2

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145	Resonance Properties of 3C-SiC Nanoelectromechanical Resonator in Room-Temperature Magnetomotive Transduction. IEEE Electron Device Letters, 2009, 30, 1042-1044.	2.2	9
146	Electrothermal noise analysis in frequency tuning of nanoresonators. Solid-State Electronics, 2008, 52, 1388-1393.	0.8	8
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