Choon-Gi Choi

List of Publications by Year
in descending order

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39	1,223	394421	414414
papers	citations	19 h-index	32 g-index

40	40	40	1915
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highly Sensitive and Fast Responsive Humidity Sensor based on 2D PtSe₂ with Gamma Radiation Tolerance. Advanced Materials Technologies, 2022, 7, 2100751.	5.8	12
2	Assessment of the 50â€‰% and 95â€‰% effective paratracheal forces for occluding the esophagus in anesthetized patients. Journal of Clinical Monitoring and Computing, 2022, 36, 335-340.	1.6	2
3	Ti3C2Tx MXene/carbon nanotubes/waterborne polyurethane based composite ink for electromagnetic interference shielding and sheet heater applications. Chemical Engineering Journal, 2022, 430, 133171.	12.7	51
4	Gammaâ€Ray Tolerant Flexible Pressureâ€“Temperature Sensor for Nuclear Radiation Environment. Advanced Materials Technologies, 2021, 6, 2001039.	5.8	14
5	Bandgap Tuned WS₂ Thinâ€Film Photodetector by Strain Gradient in van der Waals Effective Homojunctions. Advanced Optical Materials, 2021, 9, 2101310.	7.3	13
6	A flexible and high-performance electrochromic smart window produced by WO₃/Ti₃C₂T_x MXene hybrids. Journal of Materials Chemistry C, 2021, 9, 3183-3192.	5.5	25
7	Honeycomb-like MoS₂ Nanotube Array-Based Wearable Sensors for Noninvasive Detection of Human Skin Moisture. ACS Applied Materials & Interfaces, 2020, 12, 17029-17038.	8.0	60
8	Surface Plasmon Resonance-Enhanced Near-Infrared Absorption in Single-Layer MoS₂ with Vertically Aligned Nanoflakes. ACS Applied Materials & Interfaces, 2020, 12, 14476-14483.	8.0	22
9	MXene(Ti3C2TX)/graphene/PDMS composites for multifunctional broadband electromagnetic interference shielding skins. Chemical Engineering Journal, 2020, 393, 124608.	12.7	138
10	Layer number identification of CVD-grown multilayer graphene using Si peak analysis. Scientific Reports, 2018, 8, 571.	3.3	50
11	High Durability and Waterproofing rGO/SWCNT-Fabric-Based Multifunctional Sensors for Human-Motion Detection. ACS Applied Materials & Interfaces, 2018, 10, 3921-3928.	8.0	142
12	Highly Sensitive and Flexible Strainâ€“Pressure Sensors with Cracked Paddy-Shaped MoS₂/Graphene Foam/Ecoflex Hybrid Nanostructures. ACS Applied Materials & Interfaces, 2018, 10, 36377-36384.	8.0	126
13	Gas molecule sensing of van der Waals tunnel field effect transistors. Nanoscale, 2017, 9, 18644-18650.	5.6	29
14	Facile fabrication of properties-controllable graphene sheet. Scientific Reports, 2016, 6, 24525.	3.3	16
15	Hot carrier multiplication on graphene/TiO2 Schottky nanodiodes. Scientific Reports, 2016, 6, 27549.	3.3	34
16	Grapheneâ€“Semiconductor Catalytic Nanodiodes for Quantitative Detection of Hot Electrons Induced by a Chemical Reaction. Nano Letters, 2016, 16, 1650-1656.	9.1	37
17	Optical Sintering: Improved Optical Sintering Efficiency at the Contacts of Silver Nanowires Encapsulated by a Graphene Layer (Small 11/2015). Small, 2015, 11, 1356-1356.	10.0	1
18	Convection-based realtime polymerase chain reaction (PCR) utilizing transparent graphene heaters. , 2014, , .		3

#	Article	IF	Citations
19	Flexible Electronics: Flexible and Transparent Gas Molecule Sensor Integrated with Sensing and Heating Graphene Layers (Small 18/2014). Small, 2014, 10, 3812-3812.	10.0	7
20	Pore-size reduction protocol for SiN membrane nanopore using the thermal reflow in nanoimprinting for nanobio-based sensing. Journal of Biomedical Optics, 2014, 19, 051211.	2.6	2
21	Subwavelength imaging in the visible range using a metal coated carbon nanotube forest. Nanoscale, 2014, 6, 5967-5970.	5.6	4
22	Flexible and Transparent Gas Molecule Sensor Integrated with Sensing and Heating Graphene Layers. Small, 2014, 10, 3685-3691.	10.0	142
23	Resist-free antireflective nanostructured film fabricated by thermal-NIL. Nano Convergence, 2014, 1, 19.	12.1	6
24	Correlation between micrometer-scale ripple alignment and atomic-scale crystallographic orientation of monolayer graphene. Scientific Reports, 2014, 4, 7263.	3.3	21
25	Gate-controlled active graphene metamaterials at terahertz frequencies. , 2012, , .		0
26	Fabrication of antireflection nanostructures by hybrid nano-patterning lithography. Microelectronic Engineering, 2010, 87, 125-128.	2.4	32
27	Fabrication of micro-lens arrays with moth-eye antireflective nanostructures using thermal imprinting process. Microelectronic Engineering, 2010, 87, 2328-2331.	2.4	62
28	Influence of seed layers on the vertical growth of ZnO nanowires. Materials Letters, 2009, 63, 679-682.	2.6	22
29	Air-suspended two-dimensional polymer photonic crystal slab waveguides fabricated by nanoimprint lithography. Applied Physics Letters, 2007, 90, 221109.	3.3	24
30	Polymer Photonic Crystal Nano-Systems Fabricated by Nanoimprint Lithography. , 2006, , .		0
31	High-density optical disk pattern mastering using nanoimprint lithography. , 2006, , .		0
32	Application of UV nanoimprint lithography in polymer photonic nano-systems. , 2006, , .		0
33	Fabrication of multi-channel polymeric PLC-type variable optical attenuator by UV embossing. , 2005, , .		0
34	Two-dimensional polymeric optical waveguides for high-density parallel optical interconnection. Optics Communications, 2004, 235, 69-73.	2.1	11
35	A Reflective Curved Mirror With Low Coupling Loss for Optical Interconnection. IEEE Photonics Technology Letters, 2004, 16, 185-187.	2.5	16
36	Passive Alignment Method of Polymer PLC Devices by Using a Hot Embossing Technique. IEEE Photonics Technology Letters, 2004, 16, 1664-1666.	2.5	34

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37	Fabrication of large-core 1 x 16 optical power splitters in polymers using hot-embossing process. IEEE Photonics Technology Letters, 2003, 15, 825-827.	2.5	56
38	A simple structure of low-loss large-angle abrupt-bend waveguide. IEEE Photonics Technology Letters, 2001, 13, 1085-1087.	2.5	0
39	Title is missing!. Journal of Materials Science, 1999, 34, 6035-6040.	3.7	9