

Youngjun Song

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

240
citations

933447

10
h-index

996975

15
g-index

21
all docs

21
docs citations

21
times ranked

278
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA multi-bit non-volatile memory and bit-shifting operations using addressable electrode arrays and electric field-induced hybridization. <i>Nature Communications</i> , 2018, 9, 281.	12.8	25
2	Device for dielectrophoretic separation and collection of nanoparticles and DNA under high conductance conditions. <i>Electrophoresis</i> , 2015, 36, 1107-1114.	2.4	23
3	Programmable DNA-Based Boolean Logic Microfluidic Processing Unit. <i>ACS Nano</i> , 2021, 15, 11644-11654.	14.6	22
4	An Implantable Transparent Conductive Film with Water Resistance and Ultrabendability for Electronic Devices. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 42302-42312.	8.0	20
5	An Aqueous Single Reactor Arc Discharge Process for the Synthesis of Graphene Nanospheres. <i>Small</i> , 2015, 11, 5041-5046.	10.0	19
6	A Programmable DNA Double-Write Material: Synergy of Photolithography and Self-Assembly Nanofabrication. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22-28.	8.0	17
7	Influence of MWCNTs on α -Phase PVDF and Triboelectric Properties. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-7.	2.7	17
8	Seamless aqueous arc discharge process for producing graphitic carbon nanostructures. <i>Carbon</i> , 2017, 120, 83-88.	10.3	16
9	Polymorphic Architectures of Graphene Quantum Dots. <i>Advanced Materials</i> , 2017, 29, 1701845.	21.0	13
10	Ultrathin sub-3-nm nitrogen-doped graphene quantum dot layers coated TiO ₂ nanocomposites as high-performance photocatalysts. <i>Chemical Physics Letters</i> , 2019, 714, 1-5.	2.6	13
11	An Electric Field Assembler System for Micro-Nanofabrication of Energy Storage Materials. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 9287-9290.	0.9	9
12	Macro-aligned carbon Nanotube-Polymer matrix by dielectrophoresis and transferring process. <i>Journal of Materials Research and Technology</i> , 2020, 9, 4550-4557.	5.8	8
13	Elastic CNT nanocomposites for Joule heating and tactile sensing devices. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 1874-1882.	2.6	7
14	Vacuum-filtration fabrication for diverse conductive transparent cellulose electronic devices. <i>Cellulose</i> , 2021, 28, 3081-3096.	4.9	6
15	A programmable macroscale electrical field self-assembly array device for diverse thin film applications. <i>Journal of Materials Research and Technology</i> , 2020, 9, 8808-8819.	5.8	5
16	The poly-thymine based DNA photolithography onto electrostatic coupling substrates. <i>Materials Science and Engineering C</i> , 2020, 111, 110795.	7.3	5
17	Double Layer Methylcellulose Substrate-Based Wearable Touch Sensor and Display for Communication. <i>ACS Applied Electronic Materials</i> , 2022, 4, 2227-2237.	4.3	5
18	A simple transparent electrode fabrication method by filling in Ag composites into scratch gap. <i>Microelectronic Engineering</i> , 2020, 228, 111331.	2.4	3

#	ARTICLE	IF	CITATIONS
19	Dielectrophoretic Trapping for Nanoparticles, High-Molecule-Weight DNA, and SYBR Gold Using Polyimide-Based Printed Circuit Board. IEEE Sensors Journal, 2021, 21, 18451-18458.	4.7	3
20	Programmable nanoparticle patterning by droplet electrophoretic deposition. Journal of Materials Research and Technology, 2021, 14, 3150-3160.	5.8	3
21	Flexible liquid metal display using 3-Aminopropyl triethoxysilane-treated light emitting diodes (LEDs) array. Microelectronic Engineering, 2022, 253, 111677.	2.4	1