

Poh Choon Ooi

List of Publications by Year in descending order

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30
papers

467
citations

687363

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30
all docs

30
docs citations

30
times ranked

560
citing authors

#	ARTICLE	IF	CITATIONS
1	Room temperature pH-dependent ammonia gas sensors using graphene quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 763-768.	7.8	63
2	Bi-doping improves the magnetic properties of zinc oxide nanowires. <i>RSC Advances</i> , 2020, 10, 23297-23311.	3.6	52
3	Flexible blue-green and white light-emitting electrochemical cells based on cationic iridium complex. <i>Organic Electronics</i> , 2016, 28, 314-318.	2.6	36
4	Performance of all-solution-processed, durable 2D MoS ₂ flakes/BaTiO ₃ nanoparticles in polyvinylidene fluoride matrix nanogenerator devices using N-methyl-2-pyrrolidone polar solvent. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153160.	5.5	28
5	Appealing stable room-temperature ferromagnetism by well-aligned 1D Co-doped zinc oxide nanowires. <i>Journal of Alloys and Compounds</i> , 2021, 872, 159741.	5.5	27
6	Reduced graphene oxide preparation and its applications in solution-processed write-once-read-many-times graphene-based memory device. <i>Carbon</i> , 2017, 124, 547-554.	10.3	26
7	Tristable switching of the electrical conductivity through graphene quantum dots sandwiched in multi-stacked poly(methyl methacrylate) layers. <i>Organic Electronics</i> , 2016, 38, 379-383.	2.6	22
8	Fabrication of indium-tin-oxide free, all-solution-processed flexible nanogenerator device using nanocomposite of barium titanate and graphene quantum dots in polyvinylidene fluoride polymer matrix. <i>Organic Electronics</i> , 2018, 61, 289-295.	2.6	21
9	Indium-tin-oxide, free, flexible, nonvolatile memory devices based on graphene quantum dots sandwiched between polymethylsilsequioxane layers. <i>Organic Electronics</i> , 2016, 32, 115-119.	2.6	17
10	Wafer-Scale Fabrication of Nitrogen-Doped Reduced Graphene Oxide with Enhanced Quaternary-N for High-Performance Photodetection. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4625-4636.	8.0	16
11	C ions irradiation induced defects analysis and effects on optical properties of TiO ₂ Nanoparticles. <i>Journal of Alloys and Compounds</i> , 2021, 863, 158635.	5.5	15
12	Solution-Processed, Flexible, and Transparent Non-Volatile Memory With Embedded Graphene Quantum Dots in Polymethylsilsequioxane Layers. <i>IEEE Electron Device Letters</i> , 2015, 36, 1212-1214.	3.9	14
13	Electrical transportation mechanisms of molybdenum disulfide flakes-graphene quantum dots heterostructure embedded in polyvinylidene fluoride polymer. <i>Scientific Reports</i> , 2019, 9, 6761.	3.3	14
14	Exploration of 2D Ti ₃ C ₂ MXene for all solution processed piezoelectric nanogenerator applications. <i>Scientific Reports</i> , 2021, 11, 17432.	3.3	14
15	Stress and Deformation of Optimally Shaped Silicon Microneedles for Transdermal Drug Delivery. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 2485-2492.	3.3	13
16	Synergistic effect of bi-phased and self-doped Ti ³⁺ on anodic TiO ₂ nanotubes photoelectrode for photoelectrochemical sensing. <i>Journal of Alloys and Compounds</i> , 2022, 900, 163496.	5.5	13
17	Fabrication of transparent bistable switching memory device using plasmopolymerized hexamethyldisiloxane layers with embedded graphene quantum dots. <i>Thin Solid Films</i> , 2018, 645, 45-50.	1.8	10
18	Evidence of room-temperature ferromagnetism in vertically aligned Bi-Co co-doped ZnO nanowires. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 415301.	2.8	9

#	ARTICLE	IF	CITATIONS
19	Transparent and flexible nonvolatile memory using poly(methylsilsequioxane) dielectric embedded with cadmium selenide quantum dots. Japanese Journal of Applied Physics, 2014, 53, 125001.	1.5	8
20	Electrical bistabilities behaviour of all-solution-processed non-volatile memories based on graphene quantum dots embedded in graphene oxide layers. Journal of Materials Science: Materials in Electronics, 2019, 30, 16415-16420.	2.2	8
21	Practical Route for the Low-Temperature Growth of Large-Area Bilayer Graphene on Polycrystalline Nickel by Cold-Wall Chemical Vapor Deposition. ACS Omega, 2021, 6, 12143-12154.	3.5	8
22	Solution-processed flexible blue organic light emitting diodes using graphene anode. Vacuum, 2015, 121, 70-74.	3.5	7
23	Electrical Bistabilities and Conduction Mechanisms of Nonvolatile Memories Based on a Polymethylsilsequioxane Insulating Layer Containing CdSe/ZnS Quantum Dots. Journal of Electronic Materials, 2015, 44, 3962-3966.	2.2	6
24	Solid-State Limited Nucleation of NiSi/SiC Core-Shell Nanowires by Hot-Wire Chemical Vapor Deposition. Materials, 2019, 12, 674.	2.9	6
25	Effect of \hat{I}^2 -Chain Alignment Degree on the Performance of Piezoelectric Nanogenerator Based on Poly(Vinylidene Fluoride) Nanofiber. Macromolecular Research, 2022, 30, 172-182.	2.4	5
26	Characterization of embedded membrane in corrugated silicon microphones for high-frequency resonance applications. Microelectronics International, 2019, 36, 137-142.	0.6	4
27	3D finite element analysis of corrugated silicon carbide membrane for ultrasonic MEMS microphone applications. Microsystem Technologies, 2021, 27, 913-919.	2.0	2
28	Effects of electrode materials on solution-processed polyvinylidene fluoride-based piezoelectric nanogenerators: Do they matter?. Solid-State Electronics, 2022, 190, 108252.	1.4	2
29	Fabrication of Highly Stable Non-Volatile Memory Device Using Plasma-Polymerisation of Hexamethyldisiloxane with Graphene Quantum Dots. Journal of Physics: Conference Series, 2020, 1535, 012013.	0.4	1
30	The Effect of Hydrothermal Reaction Time on Formation of AuNPs by Sacrificial Templated Growth Hydrothermal Approach. Advanced Materials Research, 0, 1024, 71-74.	0.3	0