Poh Choon Ooi

List of Publications by Year
in descending order

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30 papers	467 citations	687363 13 h-index	713466 21 g-index
30 all docs	30 docs citations	30 times ranked	560 citing authors

#	Article	IF	Citations
1	Synergistic effect of bi-phased and self-doped Ti+3 on anodic TiO2 nanotubes photoelectrode for photoelectrochemical sensing. Journal of Alloys and Compounds, 2022, 900, 163496.	5.5	13
2	Effect of Î²-Chain Alignment Degree on the Performance of Piezoelectric Nanogenerator Based on Poly(Vinylidene Fluoride) Nanofiber. Macromolecular Research, 2022, 30, 172-182.	2.4	5
3	Effects of electrode materials on solution-processed polyvinylidene fluoride-based piezoelectric nanogenerators: Do they matter?. Solid-State Electronics, 2022, 190, 108252.	1.4	2
4	3D finite element analysis of corrugated silicon carbide membrane for ultrasonic MEMS microphone applications. Microsystem Technologies, 2021, 27, 913-919.	2.0	2
5	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
6	C ions irradiation induced defects analysis and effects on optical properties of TiO2 Nanoparticles. Journal of Alloys and Compounds, 2021, 863, 158635.	5.5	15
7	Evidence of room-temperature ferromagnetism in vertically aligned Biâ€“Co co-doped ZnO nanowires. Journal Physics D: Applied Physics, 2021, 54, 415301.	2.8	9
8	Exploration of 2D Ti3C2 MXene for all solution processed piezoelectric nanogenerator applications. Scientific Reports, 2021, 11, 17432.	3.3	14
9	Appealing stable room-temperature ferromagnetism by well-aligned 1D Co-doped zinc oxide nanowires. Journal of Alloys and Compounds, 2021, 872, 159741.	5.5	27
10	Performance of all-solution-processed, durable 2D MoS2 flakesâ^'BaTiO3 nanoparticles in polyvinylidene fluoride matrix nanogenerator devices using N-methyl-2-pyrrolidone polar solvent. Journal of Alloys and Compounds, 2020, 820, 153160.	5.5	28
11	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
12	Bi-doping improves the magnetic properties of zinc oxide nanowires. RSC Advances, 2020, 10, 23297-23311.	3.6	52
13	Stress and Deformation of Optimally Shaped Silicon Microneedles for Transdermal Drug Delivery. Journal of Pharmaceutical Sciences, 2020, 109, 2485-2492.	3.3	13
14	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
15	Electrical transportation mechanisms of molybdenum disulfide flakes-graphene quantum dots heterostructure embedded in polyvinylidene fluoride polymer. Scientific Reports, 2019, 9, 6761.	3.3	14
16	Solid-State Limited Nucleation of NiSi/SiC Core-Shell Nanowires by Hot-Wire Chemical Vapor Deposition. Materials, 2019, 12, 674.	2.9	6
17	Characterization of embedded membrane in corrugated silicon microphones for high-frequency resonance applications. Microelectronics International, 2019, 36, 137-142.	0.6	4
18	Wafer-Scale Fabrication of Nitrogen-Doped Reduced Graphene Oxide with Enhanced Quaternary-N for High-Performance Photodetection. ACS Applied Materials & Interfaces, 2019, 11, 4625-4636.	8.0	16

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19	Fabrication of transparent bistable switching memory device using plasmapolymerized hexamethyldisiloxane layers with embedded graphene quantum dots. Thin Solid Films, 2018, 645, 45-50.	1.8	10
20	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. Organic Electronics, 2018, 61, 289-295.	2.6	21
21	Reduced graphene oxide preparation and its applications in solution-processed write-once-read-many-times graphene-based memory device. Carbon, 2017, 124, 547-554.	10.3	26
22	Indium-tin-oxide, free, flexible, nonvolatile memory devices based on graphene quantum dots sandwiched between polymethylsilsesquioxane layers. Organic Electronics, 2016, 32, 115-119.	2.6	17
23	Tristable switching of the electrical conductivity through graphene quantum dots sandwiched in multi-stacked poly(methyl methacrylate) layers. Organic Electronics, 2016, 38, 379-383.	2.6	22
24	Flexible blue-green and white light-emitting electrochemical cells based on cationic iridium complex. Organic Electronics, 2016, 28, 314-318.	2.6	36
25	Room temperature pH-dependent ammonia gas sensors using graphene quantum dots. Sensors and Actuators B: Chemical, 2016, 222, 763-768.	7.8	63
26	Solution-processed flexible blue organic light emitting diodes using graphene anode. Vacuum, 2015, 121, 70-74.	3.5	7
27	Electrical Bistabilities and Conduction Mechanisms of Nonvolatile Memories Based on a Polymethylsilsesquioxane Insulating Layer Containing CdSe/ZnS Quantum Dots. Journal of Electronic Materials, 2015, 44, 3962-3966.	2.2	6
28	Solution-Processed, Flexible, and Transparent Non-Volatile Memory With Embedded Graphene Quantum Dots in Polymethylsilsesquioxane Layers. IEEE Electron Device Letters, 2015, 36, 1212-1214.	3.9	14
29	Transparent and flexible nonvolatile memory using poly(methylsilsesquioxane) dielectric embedded with cadmium selenide quantum dots. Japanese Journal of Applied Physics, 2014, 53, 125001.	1.5	8
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