

Zhao Yao

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

526
citations

623734

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h-index

713466

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all docs

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docs citations

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times ranked

662
citing authors

#	ARTICLE	IF	CITATIONS
1	A wearable and high-performance capacitive pressure sensor based on a biocompatible PVP nanofiber membrane <i>via</i> electrospinning and UV treatment. Journal of Materials Chemistry C, 2022, 10, 10491-10499.	5.5	18
2	Visible Light Driven Hot-Electron Injection by Pd Nanoparticles: Fast Response in Metal-Semiconductor Photodetection. Advanced Optical Materials, 2021, 9, .	7.3	24
3	Ultrafast-response/recovery capacitive humidity sensor based on arc-shaped hollow structure with nanocone arrays for human physiological signals monitoring. Sensors and Actuators B: Chemical, 2021, 334, 129637.	7.8	58
4	A high performance <sc>UWB MIMO</sc> antenna with defected ground structure and U-shape branches. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22270.	1.2	24
5	Nanoarchitectonics of p-type BiSbTe with improved figure of merit <i>via</i> introducing PbTe nanoparticles. RSC Advances, 2021, 11, 36636-36643.	3.6	2
6	Fast electrochromic switching of electrospun Cu-doped NiO nanofibers. Scripta Materialia, 2020, 178, 472-476.	5.2	23
7	Self-Welding and Low-Temperature Formation of Metal Oxide Nanofiber Networks and its Application to Electronic Devices. IEEE Electron Device Letters, 2020, 41, 62-65.	3.9	17
8	A Compact Dual-Mode Bandpass Filter with High Out-of-Band Suppression Using a Stub-Loaded Resonator Based on the GaAs IPD Process. Electronics (Switzerland), 2020, 9, 712.	3.1	1
9	Reusable, Non-Invasive, and Ultrafast Radio Frequency Biosensor Based on Optimized Integrated Passive Device Fabrication Process for Quantitative Detection of Glucose Levels. Sensors, 2020, 20, 1565.	3.8	13
10	Fabrication of Au network by low-degree solid state dewetting: Continuous plasmon resonance over visible to infrared region. Acta Materialia, 2020, 188, 599-608.	7.9	21
11	Solution-Processed High-Performance p-Type Perovskite NdAlO ₃ Thin Films for Transparent Electronics. Advanced Electronic Materials, 2020, 6, 1901110.	5.1	6
12	Performance-enhanced vertical LED using laser irradiation treatment to control wafer-level n-GaN protrusion arrays. Materials Science in Semiconductor Processing, 2020, 116, 105158.	4.0	0
13	Morphological and optical evolution of metallic oxide/Au nanoparticle hybrid thin film: High absorption and reflectance by plasmonic enhancement. Applied Surface Science, 2019, 495, 143575.	6.1	20
14	Ultra-Wideband Patch Antenna for Sub-6 GHz 5G Communications. , 2019, , .		24
15	Enhancement-mode field-effect transistors based on Ti-doped In ₂ O ₃ nanowires fabricated by electrospinning. Journal Physics D: Applied Physics, 2019, 52, 225102.	2.8	9
16	Preparation of Ultrasensitive Humidity-Sensing Films by Aerosol Deposition. ACS Applied Materials & Interfaces, 2018, 10, 851-863.	8.0	44
17	Radio Frequency Detection and Characterization of Water-Ethanol Solution through Spiral-Coupled Passive Micro-Resonator Sensor. Sensors, 2018, 18, 1075.	3.8	8
18	High-Performance porous MIM-type capacitive humidity sensor realized via inductive coupled plasma and reactive-ion etching. Sensors and Actuators B: Chemical, 2018, 258, 704-714.	7.8	59

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19	Investigation of n-ohmic contact of vertical GaN-based light-emitting diodes on graphite substrate with Ag-In bonding. <i>Materials Science in Semiconductor Processing</i> , 2017, 59, 5-9.	4.0	2
20	The development of differential inductors using double air-bridge structure based on integrated passive device technology. <i>Solid-State Electronics</i> , 2017, 131, 9-19.	1.4	2
21	Vertical and bevel-structured SiC etching techniques incorporating different gas mixture plasmas for various microelectronic applications. <i>Scientific Reports</i> , 2017, 7, 3915.	3.3	16
22	Enhanced performance of large-area vertical light-emitting diodes treated by laser irradiation. <i>Micro and Nano Letters</i> , 2017, 12, 369-372.	1.3	3
23	Modelling of double air-bridged structured inductor implemented by a GaAs integrated passive device manufacturing process. <i>Semiconductor Science and Technology</i> , 2017, 32, 055002.	2.0	2
24	Dry etching and residue removal of functional polymer mixed with TiO ₂ microparticles via inductively coupled CF ₄ /O ₂ plasma and ultrasonic-treated acetone for humidity sensor application. <i>RSC Advances</i> , 2016, 6, 41580-41586.	3.6	12
25	Room Temperature Fabrication of MIMCAPs via Aerosol Deposition. <i>IEEE Electron Device Letters</i> , 2016, 37, 220-223.	3.9	7
26	Color filters based on a nanoporous Al-AAO resonator featuring structure tolerant color saturation. <i>Optics Express</i> , 2015, 23, 27474.	3.4	16
27	AAO-assisted synthesis of highly ordered, large-scale TiO ₂ nanowire arrays via sputtering and atomic layer deposition. <i>Nanoscale Research Letters</i> , 2015, 10, 166.	5.7	23
28	Very compact differential transformer-type bandpass filter with mixed coupled topology using integrated passive device technology. <i>Microelectronics Journal</i> , 2015, 46, 1459-1463.	2.0	4
29	Suppression of interface roughness between BaTiO ₃ film and substrate by Si ₃ N ₄ buffer layer regarding aerosol deposition process. <i>Journal of Alloys and Compounds</i> , 2015, 653, 69-76.	5.5	4
30	Characteristics and mechanisms of aerosol deposition-based barium titanate by sulfur hexafluoride inductively coupled plasma etching. <i>Materials Science in Semiconductor Processing</i> , 2015, 30, 388-392.	4.0	2
31	A Dual-Mode Bandpass Filter with Multiple Controllable Transmission-Zeros Using T-Shaped Stub-Loaded Resonators. <i>Scientific World Journal</i> , The, 2014, 2014, 1-6.	2.1	5
32	Effect of sulfur hexafluoride gas and post-annealing treatment for inductively coupled plasma etched barium titanate thin films. <i>Nanoscale Research Letters</i> , 2014, 9, 496.	5.7	6
33	Comparative analysis of barium titanate thin films dry etching using inductively coupled plasmas by different fluorine-based mixture gas. <i>Nanoscale Research Letters</i> , 2014, 9, 530.	5.7	7
34	Defined micropatterns of platinum thin films by inductively coupled plasma etching using SF ₆ /Ar/O ₂ mixture gas. <i>Materials Science in Semiconductor Processing</i> , 2014, 27, 228-232.	4.0	8
35	Effects of starting powder and thermal treatment on the aerosol deposited BaTiO ₃ thin films toward less leakage currents. <i>Nanoscale Research Letters</i> , 2014, 9, 435.	5.7	24
36	A Compact Dual-Mode Band Bandpass Filter Using Stepped-Impedance Open-Loop Resonators and Center-Loaded Resonators. <i>Microwave and Optical Technology Letters</i> , 2013, 55, 3000-3005.	1.4	11

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37	A dual-mode bandpass filter with tuning transmission-zero and harmonic suppression for RFID and WiMax applications. , 2013, , .		1