

Kuen-Lin Chen

List of Publications by Year in descending order

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34
papers

297
citations

759233

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all docs

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docs citations

34
times ranked

331
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas sensing properties of indium-gallium-zinc oxide gas sensors in different light intensity. <i>Analytical Chemistry Research</i> , 2015, 4, 8-12.	2.0	34
2	Improving the sensitive and selective of trace amount ozone sensor on Indium-Gallium-Zinc Oxide thin film by ultraviolet irradiation. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1713-1718.	7.8	22
3	Surface modification of ZnO nanopillars to enhance the sensitivity towards methane: The studies of experimental and first-principle simulation. <i>Applied Surface Science</i> , 2021, 568, 150817.	6.1	22
4	Revealing a Highly Sensitive Sub-ppb-Level NO ₂ Gas-Sensing Capability of Novel Architecture 2D/0D MoS ₂ /SnS Heterostructures with DFT Interpretation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32279-32288.	8.0	21
5	Analysis of the Sensing Properties of a Highly Stable and Reproducible Ozone Gas Sensor Based on Amorphous In-Ga-Zn-O Thin Film. <i>Sensors</i> , 2018, 18, 163.	3.8	17
6	Influence of magnetoplasmonic ⁵⁶ Fe ₂ O ₃ /Au core/shell nanoparticles on low-field nuclear magnetic resonance. <i>Scientific Reports</i> , 2016, 6, 35477.	3.3	15
7	Magneto-Optical Characteristics of Streptavidin-Coated Fe ₃ O ₄ @Au Core-Shell Nanoparticles for Potential Applications on Biomedical Assays. <i>Scientific Reports</i> , 2019, 9, 16466.	3.3	15
8	Using Bio-Functionalized Magnetic Nanoparticles and Dynamic Nuclear Magnetic Resonance to Characterize the Time-Dependent Spin-Spin Relaxation Time for Sensitive Bio-Detection. <i>Sensors</i> , 2014, 14, 21409-21417.	3.8	14
9	Ultraviolet photodetector and gas sensor based on amorphous In-Ga-Zn-O film. <i>Thin Solid Films</i> , 2016, 618, 73-76.	1.8	14
10	Improving the SERS signals of biomolecules using a stacked biochip containing Fe ₂ O ₃ /Au nanoparticles and a DC magnetic field. <i>Scientific Reports</i> , 2019, 9, 9566.	3.3	13
11	A magneto-optical biochip for rapid assay based on the Cotton-Mouton effect of ⁵⁶ Fe ₂ O ₃ @Au core/shell nanoparticles. <i>Journal of Nanobiotechnology</i> , 2021, 19, 301.	9.1	13
12	Fabrication and Properties of High-T _c YBCO Josephson Junction and SQUID With Variable Thickness Bridges by Focused Ion Beam. <i>IEEE Transactions on Applied Superconductivity</i> , 2011, 21, 375-378.	1.7	12
13	Off-axis pulsed laser deposited YBa ₂ Cu ₃ O _{7-x} thin films for device applications. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 372-376, 1078-1081.	1.2	11
14	A sensitive platform for in vitro immunoassay based on biofunctionalized magnetic nanoparticles and magneto-optical Faraday effect. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 947-951.	7.8	11
15	Magnetic Clustering Effect during the Association of Biofunctionalized Magnetic Nanoparticles with Biomarkers. <i>PLoS ONE</i> , 2015, 10, e0135290.	2.5	10
16	Integrated high-TC radio frequency superconducting quantum interference device using SrTiO ₃ bicrystal substrate resonators. <i>Applied Physics Letters</i> , 2007, 90, 153504.	3.3	8
17	Superconducting-quantum-interference-device array magnetometers with directly coupled pickup loop and serial flux dams. <i>Journal of Applied Physics</i> , 2006, 100, 064510.	2.5	7
18	High-T _c superconducting quantum interference devices: Status and perspectives. <i>Journal of Applied Physics</i> , 2008, 104, 011101.	2.5	7

#	ARTICLE	IF	CITATIONS
19	Scanning high-TcSQUID imaging system for magnetocardiography. Superconductor Science and Technology, 2006, 19, S297-S302.	3.5	6
20	Spin-spin relaxation of protons in ferrofluids characterized with a high-Tc superconducting quantum interference device-detected magnetometer in microtesla fields. Applied Physics Letters, 2012, 100, 232405.	3.3	6
21	Effects of modulation schemes on the performance of directly coupled high-T/sub c/ dc SQUID magnetometers. IEEE Transactions on Applied Superconductivity, 2001, 11, 1110-1113.	1.7	3
22	Multifunctional design of high-transition-temperature directly coupled superconducting-quantum-interference-device magnetometers on a chip. Applied Physics Letters, 2006, 89, 192501.	3.3	3
23	The stability of source localization in a whole-head magnetoencephalography system demonstrated by auditory evoked field measurements. Journal of Applied Physics, 2011, 110, 074702.	2.5	3
24	Characterization of dual high transition temperature superconducting quantum interference device first-order planar gradiometers on a chip. Journal of Applied Physics, 2010, 108, 064503.	2.5	2
25	Low-Noise Serial High- T_c $\text{YBa}_2\text{Cu}_3\text{O}_y$ Superconducting Quantum Interference Devices Based on Bicrystal Junctions. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-7.	1.7	2
26	Study of $^{57}\text{Fe}/^{65}\text{Zn}/^{67}\text{Zn}/^{67}\text{Ga}$ core/shell nanoparticles as the contrast agent for high-T _c SQUID-based low field nuclear magnetic resonance. , 2016, , .		2
27	A signal input coil made of superconducting thin film for improved signal-to-noise ratio in a high-TcSQUID-based ultra-low field nuclear magnetic resonance system. Superconductor Science and Technology, 2013, 26, 115008.	3.5	1
28	Assaying Biomarkers via Real-Time Measurements of the Effective Relaxation Time of Biofunctionalized Magnetic Nanoparticles Associated with Biotargets. Journal of Nanomaterials, 2015, 2015, 1-7.	2.7	1
29	Amorphous indium gallium zinc oxide thin film-based ozone sensors. , 2015, , .		1
30	Improvement of multisource localization of magnetic particles in an animal. Scientific Reports, 2021, 11, 9628.	3.3	1
31	High- T_c Electronic Planar Gradiometer Constructed From Magnetometers on a Chip. IEEE Transactions on Applied Superconductivity, 2005, 15, 805-808.	1.7	0
32	Tunable high transition temperature superconducting quantum interference device magnetometer with gate-voltage-controlled bicrystal junctions. Applied Physics Letters, 2009, 95, 033504.	3.3	0
33	The properties of metamaterials based on gold thin film and nanoparticles. , 2016, , .		0
34	Magnetic Nanoparticle Images and Assaying Biomarkers via the Magnetic Relaxation of Biofunctionalized Nanoparticles Associated With Biotargets. IEEE Sensors Journal, 2019, 19, 9004-9009.	4.7	0