

Guozhi Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

781
citations

933447

10
h-index

839539

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g-index

22
all docs

22
docs citations

22
times ranked

482
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on insulation defect discharge features of dry-type reactor based on audible acoustic. AIP Advances, 2022, 12, 025210.	1.3	3
2	Theoretical screening into Ru-doped MoS ₂ monolayer as a promising gas sensor upon SO ₂ and SOF ₂ in SF ₆ insulation devices. Molecular Physics, 2022, 120, .	1.7	33
3	Flexible Planar Monopole Built-in GIS PD Sensor Based on Meandering Technology. Sensors, 2022, 22, 4134.	3.8	6
4	Research on Pressure-based Detection Technology for Partial Overheat Insulation Defect of Oil-less Power Equipment. IOP Conference Series: Earth and Environmental Science, 2021, 632, 042009.	0.3	2
5	Research on Fault Diagnosis Technology of Less-Oil Immersed Electric Equipment Based on Pressure. , 2021, , .		1
6	Research on transformer fault diagnosis: Based on improved firefly algorithm optimized LPboostâ€ classification and regression tree. IET Generation, Transmission and Distribution, 2021, 15, 2926-2942.	2.5	3
7	First-Principles Insight into Pd-Doped ZnO Monolayers as a Promising Scavenger for Dissolved Gas Analysis in Transformer Oil. ACS Omega, 2020, 5, 17801-17807.	3.5	40
8	Ladderâ€wise calculation method for <i>z</i> -coordinate of transformer PD source based on planar layout UHF antenna sensors. IEEJ Transactions on Electrical and Electronic Engineering, 2020, 15, 340-345.	1.4	35
9	Research Status of Insulation Detection Technology for Less Oil-Immersed Power Equipment. , 2020, , .		0
10	Facile Fabrication of Au Nanoparticles/Tin Oxide/Reduced Graphene Oxide Ternary Nanocomposite and Its High-Performance SF ₆ Decomposition Components Sensing. Frontiers in Chemistry, 2019, 7, 476.	3.6	11
11	AC Breakdown and Decomposition Characteristics of Environmental Friendly Gas C ₅ F ₁₀ O/Air and C ₅ F ₁₀ O/N ₂ . IEEE Access, 2019, 7, 73954-73960.	4.2	56
12	Rh-doped MoSe ₂ as a toxic gas scavenger: a first-principles study. Nanoscale Advances, 2019, 1, 772-780.	4.6	261
13	Effect of oxygen on power frequency breakdown voltage and decomposition characteristics of the C ₅ F ₁₀ O/N ₂ /O ₂ gas mixture. RSC Advances, 2019, 9, 18963-18970.	3.6	15
14	Optimized sleeve monopole antenna for detection of electrostatic discharge radiation of spacecraft solar array. Review of Scientific Instruments, 2019, 90, 015008.	1.3	2
15	On-Line Monitoring of Partial Discharge of Less-Oil Immersed Electric Equipment Based on Pressure and UHF. IEEE Access, 2019, 7, 11178-11186.	4.2	20
16	SF ₆ abatement in a packed bed plasma reactor: study towards the effect of O ₂ concentration. RSC Advances, 2019, 9, 34827-34836.	3.6	7
17	Pd-doped MoS ₂ monolayer: A promising candidate for DGA in transformer oil based on DFT method. Applied Surface Science, 2019, 470, 1035-1042.	6.1	248
18	Optimization of PD Ultra High Frequency Antenna Sensor Based on Simplified Real Frequency Method. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Synergistic treatment of SF6 by dielectric barrier discharge/ γ -Al ₂ O ₃ catalysis. AIP Advances, 2018, 8, .	1.3	10
20	Study on localization of transformer partial discharge source with planar arrangement UHF sensors based on singular value elimination. AIP Advances, 2018, 8, 105232.	1.3	8
21	Partial Discharge Detection in Transformer Based on Optical Method. , 2018, , .		6
22	On the Feasibility of Gap Detection of Power Transformer Partial Discharge UHF Signals: Gap Propagation Characteristics of Electromagnetic Waves. Energies, 2017, 10, 1531.	3.1	14