

Shuangshuang Tian

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

818
citations

471509

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docs citations

29
times ranked

420
citing authors

#	ARTICLE	IF	CITATIONS
1	Research on infrared spectrum characteristics and detection technology of environmental-friendly insulating medium C5F10O. <i>Vibrational Spectroscopy</i> , 2022, 118, 103336.	2.2	18
2	AC Breakdown Strength and Its By-Products of Eco-Friendly Perfluoroisobutyronitrile/O ₂ /N ₂ Gas Mixture at High Pressure for HV Equipment. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2021, 28, 1020-1027.	2.9	8
3	Acute toxicity and health effect of perfluoroisobutyronitrile on mice: a promising substitute gas-insulating medium to SF ₆ . <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020, 55, 1646-1658.	1.7	8
4	First-Principles Insight into Pd-Doped ZnO Monolayers as a Promising Scavenger for Dissolved Gas Analysis in Transformer Oil. <i>ACS Omega</i> , 2020, 5, 17801-17807.	3.5	40
5	Research status of replacement gases for SF6 in power industry. <i>AIP Advances</i> , 2020, 10, .	1.3	39
6	Synergistic Effects of Boron Nitride (BN) Nanosheets and Silver (Ag) Nanoparticles on Thermal Conductivity and Electrical Properties of Epoxy Nanocomposites. <i>Polymers</i> , 2020, 12, 426.	4.5	52
7	Theoretical calculation of total electron-impact ionization cross section of C6F12O. <i>AIP Advances</i> , 2020, 10, 035217.	1.3	9
8	Influence regularity of O ₂ on dielectric and decomposition properties of C ₄ F ₇ Nâ€‘CO ₂ â€‘O ₂ gas mixture for mediumâ€‘voltage equipment. <i>High Voltage</i> , 2020, 5, 256-263.	4.7	30
9	Application of C ₆ F ₁₂ O/CO ₂ mixture in 10kV mediumâ€‘voltage switchgear. <i>IET Science, Measurement and Technology</i> , 2019, 13, 1225-1230.	1.6	59
10	Influence of Oxygen on the Thermal Decomposition Properties of C ₄ F ₇ Nâ€‘N ₂ â€‘O ₂ as an Eco-Friendly Gas Insulating Medium. <i>ACS Omega</i> , 2019, 4, 18616-18626.	3.5	8
11	Partial discharge characteristics of C6F12O/CO2 mixed gas at power frequency AC voltage. <i>AIP Advances</i> , 2019, 9, .	1.3	9
12	Thermal compatibility properties of C6F12O-air gas mixture with metal materials. <i>AIP Advances</i> , 2019, 9, .	1.3	12
13	Insight into the decomposition mechanism of C6F12O-CO2 gas mixture. <i>Chemical Engineering Journal</i> , 2019, 360, 929-940.	12.7	50
14	Experimental research on insulation properties of C ₆ F ₁₂ O/N ₂ and C ₆ F ₁₂ O/CO ₂ gas mixtures. <i>IET Generation, Transmission and Distribution</i> , 2019, 13, 417-422.	2.5	19
15	Dissociative adsorption of environment-friendly insulating medium C3F7CN on Cu(111) and Al(111) surface: A theoretical evaluation. <i>Applied Surface Science</i> , 2018, 434, 549-560.	6.1	45
16	Decomposition mechanism of the C5-PFK/CO2 gas mixture as an alternative gas for SF6. <i>Chemical Engineering Journal</i> , 2018, 336, 38-46.	12.7	72
17	The Influence of O2 on Decomposition Characteristics of c-C4F8/N2 Environmental Friendly Insulating Gas. <i>Processes</i> , 2018, 6, 174.	2.8	11
18	Insight Into the Compatibility Between C ₆ F ₁₂ O and Metal Materials: Experiment and Theory. <i>IEEE Access</i> , 2018, 6, 58154-58160.	4.2	25

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19	Study on the influence of O ₂ on the breakdown voltage and self-recovery characteristics of c-C ₄ F ₈ /N ₂ mixture. AIP Advances, 2018, 8, 085121.	1.3	5
20	Formation mechanism of CF ₃ I discharge components and effect of oxygen on decomposition. Journal Physics D: Applied Physics, 2017, 50, 155601.	2.8	24
21	Experimental studies on the power-frequency breakdown voltage of CF ₃ I/N ₂ /CO ₂ gas mixture. Journal of Applied Physics, 2017, 121, .	2.5	16
22	Effects of micro-water on decomposition of the environment-friendly insulating medium C ₅ F ₁₀ O. AIP Advances, 2017, 7, .	1.3	29
23	Theoretical study of the decomposition mechanism of environmentally friendly insulating medium C ₃ F ₇ CN in the presence of H ₂ O in a discharge. Journal Physics D: Applied Physics, 2017, 50, 325201.	2.8	50
24	Decomposition Mechanism of C ₅ F ₁₀ O: An Environmentally Friendly Insulation Medium. Environmental Science & Technology, 2017, 51, 10127-10136.	10.0	83
25	Reactive molecular dynamics study of the decomposition mechanism of the environmentally friendly insulating medium C ₃ F ₇ CN. RSC Advances, 2017, 7, 50663-50671.	3.6	36
26	Partial discharge decomposition characteristics of typical defects in the gas chamber of SF ₆ insulated ring network cabinet. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 1794-1801.	2.9	13
27	Insulation Strength and Decomposition Characteristics of a C ₆ F ₁₂ O and N ₂ Gas Mixture. Energies, 2017, 10, 1170.	3.1	48