

Ju Tang

List of Publications by Year in descending order

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19
papers

1,164
citations

567281

15
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

644
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Pristine and Cu decorated hexagonal InN monolayer, a promising candidate to detect and scavenge SF ₆ decompositions based on first-principle study. Journal of Hazardous Materials, 2019, 363, 346-357.	12.4	146
3	Decomposition Properties of C ₄ F ₇ N ₂ Gas Mixture: An Environmentally Friendly Gas to Replace SF ₆ . Industrial & Engineering Chemistry Research, 2018, 57, 5173-5182.	3.7	126
4	Noble metal (Pt or Au)-doped monolayer MoS ₂ as a promising adsorbent and gas-sensing material to SO ₂ , SOF ₂ and SO ₂ F ₂ : a DFT study. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	105
5	Decomposition Mechanism of C ₅ F ₁₀ O: An Environmentally Friendly Insulation Medium. Environmental Science & Technology, 2017, 51, 10127-10136.	10.0	83
6	Assessment on the toxicity and application risk of C ₄ F ₇ N: A new SF ₆ alternative gas. Journal of Hazardous Materials, 2019, 368, 653-660.	12.4	78
7	Decomposition mechanism of the C ₅ -PFK/CO ₂ gas mixture as an alternative gas for SF ₆ . Chemical Engineering Journal, 2018, 336, 38-46.	12.7	72
8	Dissociative adsorption of environment-friendly insulating medium C ₃ F ₇ CN on Cu(111) and Al(111) surface: A theoretical evaluation. Applied Surface Science, 2018, 434, 549-560.	6.1	45
9	SF ₆ fault decomposition feature component extraction and triangle fault diagnosis method. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 581-589.	2.9	45
10	Detection of SF ₆ Decomposition Components Under Partial Discharge by Photoacoustic Spectrometry and its Temperature Characteristic. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 1343-1351.	4.7	35
11	Abatement of SF ₆ in the presence of NH ₃ by dielectric barrier discharge plasma. Journal of Hazardous Materials, 2018, 360, 341-348.	12.4	35
12	Study on the thermal interaction mechanism between C ₄ F ₇ N-N ₂ and copper, aluminum. Corrosion Science, 2019, 153, 32-46.	6.6	32
13	Theoretical study on the interaction between C ₅ -PFK and Al (1 \times 10 ⁻¹), Ag (1 \times 10 ⁻¹): A comparative study. Applied Surface Science, 2019, 464, 586-596.	6.1	31
14	Using Single-Layer HfS ₂ as Prospective Sensing Device Toward Typical Partial Discharge Gas in SF ₆ -Based Gas-Insulated Switchgear. IEEE Transactions on Electron Devices, 2019, 66, 689-695.	3.0	26
15	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
16	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
17	Simultaneous Detection of Câ„,Hâ„, and CO Based on Cantilever-Enhanced Photoacoustic Spectroscopy. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	11
18	The effect of the photoacoustic Field-Photoacoustic cell coupling term on the performance of the gas detection system. Optics and Laser Technology, 2022, 153, 108211.	4.6	7

#	ARTICLE	IF	CITATIONS
19	Effect of O ₂ on The AC Breakdown Characteristics Of C ₅ F ₁₀ O/CO ₂ . , 2020, , .		0