Zhan Gao

List of Publications by Year
in descending order

14 papers	256 citations	1040056 9 h-index	1125743 13 g-index
14 all docs	14 docs citations	14 times ranked	194 citing authors

#	Article	IF	Citations
1	Synergistic effect analysis on sooting tendency based on soot-specialized artificial neural network algorithm with experimental and numerical validation. Fuel, 2022, 315, 122538.	6.4	3
2	Effects of NH3 addition on polycyclic aromatic hydrocarbon and soot formation in C2H4 co-flow diffusion flames. Combustion and Flame, 2022, 241, 111958.	5.2	33
3	Renewable synthetic fuel: turning carbon dioxide back into fuel. Frontiers in Energy, 2022, 16, 145-149.	2.3	31
4	Experimental and kinetic modeling study on sooting tendencies of alkylbenzene isomers. Fuel, 2021, 283, 118873.	6.4	12
5	Effect of Ester Molecular Structure Difference on Its Soot Tendency: A Comparative Study of Methyl Butanoate and Methyl Crotonate. Energy & Fuels, 2021, 35, 10805-10819.	5.1	3
6	Nanoparticle-Assisted Niâ€“Co Binary Single-Atom Catalysts Supported on Carbon Nanotubes for Efficient Electroreduction of CO₂ to Syngas with Controllable CO/H₂ Ratios. ACS Applied Energy Materials, 2021, 4, 9572-9581.	5.1	19
7	Compositional Effects on Sooting Tendencies of Diesel Surrogate Fuels with Four Components. Energy & Fuels, 2020, 34, 8796-8807.	5.1	12
8	Soot reduction effects of dibutyl ether (DBE) addition to a biodiesel surrogate in laminar coflow diffusion flames. Proceedings of the Combustion Institute, 2019, 37, 1265-1272.	3.9	51
9	Predicting sooting tendencies of oxygenated hydrocarbon fuels with machine learning algorithms. Fuel, 2019, 242, 438-446.	6.4	28
10	Effects of molecular O2 and NO2 on particle size distribution, morphology and nanostructure of diffusion flame soot oxidized in a flow reactor. Fuel, 2018, 234, 335-346.	6.4	13
11	Novel fungal hyphae/Fe₃O₄ and N-TiO₂/NG composite for adsorption and photocatalysis. RSC Advances, 2017, 7, 6842-6848.	3.6	9
12	A fundamental investigation into chemical effects of carbon dioxide on intermediate temperature oxidation of biodiesel surrogate with laminar flow reactor. Energy, 2017, 141, 20-31.	8.8	19
13	Comparison of Soot Formation, Evolution, and Oxidation Reactivity of Two Biodiesel Surrogates. Energy & Fuels, 2017, 31, 8655-8664.	5.1	21
14	An assessment of surrogate fuel using Bayesian multiple kernel learning model in sight of sooting tendency. Frontiers in Energy, 0, , 1.	2.3	2