Gregory T Linteris

List of Publications by Year
in descending order

48	1,769	26	41
papers	citations	h-index (218677)	g-index (276875)

51	51	51	729
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Prediction of the burning rates of non-charring polymersâ˜†. Combustion and Flame, 2009, 156, 1068-1083.	5.2	147
2	Catalytic inhibition of laminar flames by transition metal compounds. Progress in Energy and Combustion Science, 2008, 34, 288-329.	31.2	91
3	The hunt for nonflammable refrigerant blends to replace R-134a. International Journal of Refrigeration, 2019, 104, 484-495.	3.4	87
4	Combustion inhibition and enhancement of premixed methaneâ€“air flames by halon replacements. Combustion and Flame, 2015, 162, 41-49.	5.2	76
5	Hydrocarbon flame inhibition by C3H2F3Br (2-BTP). Combustion and Flame, 2015, 162, 1104-1112.	5.2	72
6	Absorption and reflection of infrared radiation by polymers in fireâ€like environments. Fire and Materials, 2012, 36, 537-553.	2.0	70
7	Combustion properties of halogenated fire suppressants. Combustion and Flame, 2012, 159, 3569-3575.	5.2	69
8	Extinguishment mechanisms of coflow diffusion flames in a cup-burner apparatus. Proceedings of the Combustion Institute, 2007, 31, 2721-2729.	3.9	66
9	Unwanted combustion enhancement by C6F12O fire suppressant. Proceedings of the Combustion Institute, 2013, 34, 2683-2690.	3.9	65
10	Stirred reactor calculations to understand unwanted combustion enhancement by potential halon replacements. Combustion and Flame, 2012, 159, 1016-1025.	5.2	64
11	Fire-suppression characteristics of CF3H in a cup burner. Combustion and Flame, 2006, 144, 645-661.	5.2	54
12	Inhibition of premixed carbon monoxideâ€“hydrogenâ€“oxygenâ€“nitrogen flames by iron pentacarbonylâ€â€Official contribution of the National Institute of Standards and Technology, not subject to copyright in the United States.. Combustion and Flame, 2000, 120, 451-464.	5.2	51
13	Combustion inhibition and enhancement of cup-burner flames by CF3Br, C2HF5, C2HF3Cl2, and C3H2F3Br. Proceedings of the Combustion Institute, 2015, 35, 2741-2748.	3.9	49
14	Inhibition of premixed methane flames by manganese and tin compounds. Combustion and Flame, 2002, 129, 221-238.	5.2	47
15	Premixed flame inhibition by C2HF3Cl2 and C2HF5. Combustion and Flame, 2016, 163, 54-65.	5.2	44
16	Prediction of the mass loss rate of polymer materials: Impact of residue formation. Combustion and Flame, 2012, 159, 2974-2984.	5.2	42
17	Flame Inhibition by Potassium-Containing Compounds. Combustion Science and Technology, 2017, 189, 2039-2055.	2.3	42
18	Cup-burner flame extinguishment by CF3Br and Br2. Combustion and Flame, 2007, 149, 91-103.	5.2	41

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19	Vortex-coupled oscillations of edge diffusion flames in coflowing air with dilution. Proceedings of the Combustion Institute, 2007, 31, 1575-1582.	3.9	39
20	A Chemical Kinetic Mechanism for 2â€Bromoâ€3,3,3â€trifluoropropene (2â€BTP) Flame Inhibition. International Journal of Chemical Kinetics, 2015, 47, 533-563.	1.6	38
21	The role of particles in the inhibition of premixed flames by iron pentacarbonyl21Official contribution of the National Institute of Standards and Technology. Not subject to copyright in the United States.22National Research Council/NIST postdoctoral fellow 1996â€"1998.. Combustion and Flame, 2000, 123, 82-94.	5.2	37
22	The role of particles in the inhibition of counterflow diffusion flames by iron pentacarbonylâ˜† â˜†Official contribution of the National Institute of Standards and Technology, not subject to copyright in the United States.. Combustion and Flame, 2002, 128, 145-164.	5.2	36
23	Promotion or inhibition of hydrogenâ€"air ignition by iron-containing compounds. Proceedings of the Combustion Institute, 2009, 32, 2535-2542.	3.9	34
24	A comparison of the gas-phase fire retardant action of DMMP and Br2 in co-flow diffusion flame extinguishment,. Combustion and Flame, 2016, 169, 340-348.	5.2	34
25	An empirical model for refrigerant flammability based on molecular structure and thermodynamics. International Journal of Refrigeration, 2019, 104, 144-150.	3.4	33
26	Understanding overpressure in the FAA aerosol can test by C3H2F3Br (2-BTP). Combustion and Flame, 2016, 167, 452-462.	5.2	30
27	Premixed flame inhibition by CF3Br and C3H2F3Br (2-BTP). Combustion and Flame, 2016, 169, 272-286.	5.2	26
28	Experimental and numerical investigation of the gasâ€phase effectiveness of phosphorus compounds. Fire and Materials, 2016, 40, 683-696.	2.0	25
29	Effects of stretch and thermal radiation on difluoromethane/air burning velocity measurements in constant volume spherically expanding flames. Proceedings of the Combustion Institute, 2019, 37, 4231-4238.	3.9	25
30	Extinguishment of methane diffusion flames by carbon dioxide in coflow air and oxygen-enriched microgravity environments. Combustion and Flame, 2008, 155, 37-53.	5.2	24
31	Premixed carbon monoxideâ€"nitrous oxideâ€"hydrogen flames: measured and calculated burning velocities with and without Fe(CO)5â€¡â€¡Official contribution of the National Institute of Standards and Technology, not subject to copyright in the United States.. Combustion and Flame, 2000, 122, 58-75.	5.2	23
32	Influence of Antimony-Halogen Additives on Flame Propagation. Combustion Science and Technology, 2017, 189, 290-311.	2.3	21
33	Laminar burning velocity predictions for C1 and C2 hydrofluorocarbon refrigerants with air. Journal of Fluorine Chemistry, 2020, 230, 109324.	1.7	20
34	Cup-burner flame structure and extinguishment by CF3Br and C2HF5 in microgravity. Proceedings of the Combustion Institute, 2013, 34, 2707-2717.	3.9	19
35	Extinguishment of methane diffusion flames by inert gases in coflow air and oxygen-enriched microgravity environments. Proceedings of the Combustion Institute, 2011, 33, 2531-2538.	3.9	16
36	A computational study of extinguishment and enhancement of propane cup-burner flames by halon and alternative agents. Fire Safety Journal, 2017, 91, 688-694.	3.1	16

#	Article	IF	Citations
37	Modeling Solid Sample Buming. Fire Safety Science, 2005, 8, 625-636.	0.3	14
38	Numerical and experimental studies of extinguishment of cup-burner flames by C6F12O. Proceedings of the Combustion Institute, 2021, 38, 4645-4653.	3.9	13
39	Clean Agent Suppression of Energized Electrical Equipment Fires. Fire Technology, 2011, 47, 1-68.	3.0	12
40	Numerical Investigations Of CO2 As Fire Suppressing Agent. Fire Safety Science, 2003, 7, 531-542.	0.3	9
41	Effects of stretch and radiation on the laminar burning velocity of R-32/air flames. Science and Technology for the Built Environment, 2020, 26, 599-609.	1.7	8
42	Data reduction considerations for spherical R-32(CH2F2)-air flame experiments. Combustion and Flame, 2022, 237, 111806.	5.2	7
43	Burning velocities of R-32/O2/N2 mixtures: Experimental measurements and development of a validated detailed chemical kinetic model. Combustion and Flame, 2022, 236, 111795.	5.2	7
44	Extinguishment Mechanisms Of Cup-Burner Flames. , 2006, , .		4
45	Numerical Modeling Of Counterflow Diffusion Flames Inhibited By Iron Pentacarbonyl. Fire Safety Science, 2000, 6, 289-300.	0.3	2
46	Extinction Characteristics of Cup-Burner Flames in Microgravity. , 2003, , .		1
47	Flammable refrigerant safety. Science and Technology for the Built Environment, 2020, 26, 587-587.	1.7	0
48	Numerical Simulations of Gas-Phase Interactions of Phosphorus-Containing Compounds with Cup-Burner Flames. , 2017, , 751-758.		0