

Dustin Witkowski

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

142
citations

1307594

7
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

165
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of the sooting properties of real fuels and their commonly used surrogates in a laminar co-flow diffusion flame. <i>Combustion and Flame</i> , 2013, 160, 1129-1141.	5.2	58
2	Emission properties and temperature quenching mechanisms of rare-earth elements doped in garnet hosts. <i>Journal of Luminescence</i> , 2017, 192, 1250-1263.	3.1	19
3	Investigation of aerosol phosphor thermometry (APT) measurement biases for Eu:BAM. <i>Applied Physics B: Lasers and Optics</i> , 2018, 124, 1.	2.2	12
4	A methodology for identifying thermographic phosphors suitable for high-temperature gas thermometry: application to Ce ³⁺ and Pr ³⁺ doped oxide hosts. <i>Applied Physics B: Lasers and Optics</i> , 2017, 123, 1.	2.2	9
5	A novel strategy to improve the sensitivity of aerosol phosphor thermometry using co-doped phosphors. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 1393-1400.	3.9	9
6	Scattering referenced aerosol phosphor thermometry. <i>Measurement Science and Technology</i> , 2019, 30, 044003.	2.6	9
7	Combustion-relevant aerosol phosphor thermometry imaging using Ce,Pr:LuAG, Ce:GdPO ₄ , and Ce:CSSO. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 1617-1625.	3.9	9
8	Characterization of Ce:CSSO, Pr:CSSO, and co-doped Ce,Pr:CSSO phosphors for aerosol phosphor thermometry. <i>Measurement Science and Technology</i> , 2021, 32, 054008.	2.6	5
9	Combined scattering-referenced and co-doped aerosol phosphor thermometry using the Ce,Pr:LuAG phosphor. <i>Applied Physics B: Lasers and Optics</i> , 2021, 127, 1.	2.2	4
10	Combustion-relevant temperature imaging with scattering referenced aerosol phosphor thermometry applied to Eu:BAM. <i>Combustion and Flame</i> , 2021, 224, 233-238.	5.2	3
11	Characterization of the Ce,Pr:LuAG phosphor for Co-doped aerosol phosphor thermometry. <i>Journal of Luminescence</i> , 2021, 229, 117665.	3.1	3
12	Precise surface temperature measurements from 400 to 1200 K using the Pr:YAG phosphor. <i>Applied Physics B: Lasers and Optics</i> , 2021, 127, 1.	2.2	2