

Sergey Cheskis

List of Publications by Year in descending order

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15
papers

209
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1163117

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docs citations

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times ranked

168
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Rate Constant for $\text{NH}_2 + \text{HO}_2$ and Third-Body Collision Efficiencies for $\text{NH}_2 + \text{H}(+M)$ and $\text{NH}_2 + \text{NH}_2(+M)$. Journal of Physical Chemistry A, 2021, 125, 1505-1516.	2.5	43
2	Initial reaction steps during flame synthesis of iron-oxide nanoparticles. CrystEngComm, 2015, 17, 6930-6939.	2.6	41
3	Intracavity laser absorption spectroscopy detection of HCO radicals in atmospheric pressure hydrocarbon flames. Journal of Chemical Physics, 1995, 102, 1851-1854.	3.0	31
4	A fiber laser intracavity absorption spectroscopy (FLICAS) sensor for simultaneous measurement of CO and CO ₂ concentrations and temperature. Sensors and Actuators B: Chemical, 2015, 210, 431-438.	7.8	22
5	Insights into the Mechanism of Combustion Synthesis of Iron Oxide Nanoparticles Gained by Laser Diagnostics, Mass Spectrometry, and Numerical Simulations: A Mini-Review. Energy & Fuels, 2021, 35, 137-160.	5.1	21
6	Absorption electronic spectrum of gaseous FeO: in situ detection with intracavity laser absorption spectroscopy in a nanoparticle-generating flame reactor. Applied Physics B: Lasers and Optics, 2014, 117, 317-323.	2.2	13
7	Intracavity Laser Absorption Spectroscopy for flame diagnostics. Israel Journal of Chemistry, 2007, 47, 131-140.	2.3	11
8	CH, NH, and NH_2 Concentration Profiles in Methane/Air Flames Doped with N_2O . Israel Journal of Chemistry, 1999, 39, 49-54.	2.3	10
9	Intracavity Laser Absorption Spectroscopy Study of HCO Radicals during Methane to Hydrogen Conversion in Very Rich Flames. Energy & Fuels, 2015, 29, 6146-6154.	5.1	5
10	Laser Induced Fluorescence in a Pulsed Propagated Flame—A New Technique for Combustion Studies. Combustion Science and Technology, 1995, 104, 441-447.	2.3	4
11	Fiber Laser Intracavity Spectroscopy of hot water for temperature and concentration measurements. Applied Physics B: Lasers and Optics, 2015, 121, 345-351.	2.2	4
12	Concentration measurements by intracavity laser absorption spectroscopy for the case of strongly overlapped spectra. Applied Physics B: Lasers and Optics, 2018, 124, 1.	2.2	2
13	Foreword by the Guest Editors. Israel Journal of Chemistry, 1999, 39, iii.	2.3	1
14	New Perspectives in Monitoring the Flame Synthesis of Iron Oxide Nanoparticles: Addressing Solid and Gas-Phase Diagnostics Challenges. Materials Research Society Symposia Proceedings, 2015, 1747, 7.	0.1	1
15	Pulsed Flame for Syngas Production via Partial Methane Oxidation. Flow, Turbulence and Combustion, 2016, 96, 363-375.	2.6	0