Sergey Cheskis

List of Publications by Year
in descending order

15	209	1163117 8	1058476 14
papers	citations	h-index	g-index

15	15	15	168
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the Rate Constant for NH₂+HO₂ and Third-Body Collision Efficiencies for NH₂+H(+M) and NH₂+NH₂(+M). Journal of Physical Chemistry A, 2021, 125, 1505-1516.	2.5	43
2	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
3	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
4	Pulsed Flame for Syngas Production via Partial Methane Oxidation. Flow, Turbulence and Combustion, 2016, 96, 363-375.	2.6	0
5	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
6	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
7	Initial reaction steps during flame synthesis of iron-oxide nanoparticles. CrystEngComm, 2015, 17, 6930-6939.	2.6	41
8	A fiber laser intracavity absorption spectroscopy (FLICAS) sensor for simultaneous measurement of CO and CO2 concentrations and temperature. Sensors and Actuators B: Chemical, 2015, 210, 431-438.	7.8	22
9	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
10	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
11	Intracavity Laser Absorption Spectroscopy for flame diagnostics. Israel Journal of Chemistry, 2007, 47, 131-140.	2.3	11
12	CH, NH, and NH₂ Concentration Profiles in Methane/Air Flames Doped with N₂O. Israel Journal of Chemistry, 1999, 39, 49-54.	2.3	10
13	Foreword by the Guest Editors. Israel Journal of Chemistry, 1999, 39, iii.	2.3	1
14	Laser Induced Fluorescence in a Pulsed Propagated Flameâ€"A New Technique for Combustion Studies. Combustion Science and Technology, 1995, 104, 441-447.	2.3	4
15	Intracavity laser absorption spectroscopy detection of HCO radicals in atmospheric pressure hydrocarbon flames. Journal of Chemical Physics, 1995, 102, 1851-1854.	3.0	31