

# Pablo Purohit

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/401871/publications.pdf>

Version: 2024-02-01

10  
papers

165  
citations

1307594

7  
h-index

1372567

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

146  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser-Induced Breakdown Spectroscopy (LIBS): Fast, Effective, and Agile Leading Edge Analytical Technology. <i>Applied Spectroscopy</i> , 2018, 72, 35-50.	2.2	39
2	Atomization efficiency and photon yield in laser-induced breakdown spectroscopy analysis of single nanoparticles in an optical trap. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 130, 75-81.	2.9	26
3	Spectral Identification in the Attogram Regime through Laser-Induced Emission of Single Optically Trapped Nanoparticles in Air. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14178-14182.	13.8	25
4	Optical Trapping as a Morphologically Selective Tool for In Situ LIBS Elemental Characterization of Single Nanoparticles Generated by Laser Ablation of Bulk Targets in Air. <i>Analytical Chemistry</i> , 2021, 93, 2635-2643.	6.5	20
5	Subfemtogram Simultaneous Elemental Detection in Multicomponent Nanomatrices Using Laser-Induced Plasma Emission Spectroscopy within Atmospheric Pressure Optical Traps. <i>Analytical Chemistry</i> , 2019, 91, 7444-7449.	6.5	19
6	Optical trapping reveals differences in dielectric and optical properties of copper nanoparticles compared to their oxides and ferrites. <i>Scientific Reports</i> , 2020, 10, 1198.	3.3	16
7	LIBS-Acoustic Mid-Level Fusion Scheme for Mineral Differentiation under Terrestrial and Martian Atmospheric Conditions. <i>Analytical Chemistry</i> , 2022, 94, 1840-1849.	6.5	13
8	Energy transfer mechanisms in laser-induced plasmas: Variation of physical traits mediated by the presence of single optically-trapped nanoparticulate material. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2021, 180, 106193.	2.9	5
9	Spectral Identification in the Attogram Regime through Laser-Induced Emission of Single Optically Trapped Nanoparticles in Air. <i>Angewandte Chemie</i> , 2017, 129, 14366-14370.	2.0	1
10	Pressure Effects on Simultaneous Optical and Acoustics Data from Laser-Induced Plasmas in Air: Implications to the Differentiation of Geological Materials. <i>Applied Spectroscopy</i> , 2022, 76, 946-958.	2.2	1