

# Otávio A Capeloto

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2725328/publications.pdf>

Version: 2024-02-01

17  
papers

187  
citations

1307594

7  
h-index

1058476

14  
g-index

17  
all docs

17  
docs citations

17  
times ranked

220  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Investigation of the Photobleaching Process of Eosin Y in Aqueous Solution by Thermal Lens Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2013, 117, 1932-1937.   | 2.6 | 48        |
| 2  | Effect of ultraviolet (UV-C) radiation on spores and biofilms of <i>Alicyclobacillus</i> spp. in industrialized orange juice. <i>International Journal of Food Microbiology</i> , 2019, 305, 108238.  | 4.7 | 34        |
| 3  | Quantitative assessment of radiation force effect at the dielectric air-liquid interface. <i>Scientific Reports</i> , 2016, 6, 20515.   | 3.3 | 19        |
| 4  | Pulsed photothermal mirror technique: characterization of opaque materials. <i>Applied Optics</i> , 2014, 53, 7985.   | 2.1 | 17        |
| 5  | Photophysical characterization of Hypericin-loaded in micellar, liposomal and copolymer-lipid nanostructures based F127 and DPPC liposomes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 248, 119173.                                 | 3.9 | 12        |
| 6  | Generation and detection of thermoelastic waves in metals by a photothermal mirror method. <i>Applied Physics Letters</i> , 2016, 109, .  | 3.3 | 11        |
| 7  | Nanosecond pressure transient detection of laser-induced thermal lens. <i>Applied Optics</i> , 2020, 59, 3682.  | 1.8 | 8         |
| 8  | Laser induced thermoelastic surface displacement in solids detected simultaneously by photothermal mirror and interferometry. <i>Optics Express</i> , 2020, 28, 7116.   | 3.4 | 7         |
| 9  | Preparation, structural and spectroscopic study of sol-gel-synthesized $\text{Cr}^{3+}$ powder. <i>SN Applied Sciences</i> , 2019, 1, 1.  | 2.9 | 6         |
| 10 | Two ratiometric thermometry methods based on the interplay between Eu <sup>2+</sup> and Eu <sup>3+</sup> and  | 5.2 | 6         |
| 11 | Float, borosilicate and tellurites as cover glasses in Si photovoltaics: Optical properties and performances under sunlight. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 161, 110396.   | 4.0 | 6         |
| 12 | Induction and detection of pressure waves by pulsed thermal lens technique in water-ethanol mixtures. <i>Applied Optics</i> , 2021, 60, 4029.   | 1.8 | 5         |
| 13 | An Experimental Investigation of Sample Fluid Heat Coupling Effect in Thermal Lens Technique. <i>Applied Spectroscopy</i> , 2020, 74, 1274-1279.  | 2.2 | 3         |
| 14 | Photoactivation of Erythrosine in simulated body fluids. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 259, 119867.  | 3.9 | 3         |
| 15 | Analysis of the Thermo-Reflectivity Coefficient Influence Using Photothermal Pump-Probe Techniques. <i>Applied Spectroscopy</i> , 2017, 71, 970-976.  | 2.2 | 2         |
| 16 | Application of Photoreactive Barium Titanate (BaTiO <sub>3</sub> ) Beam Fanning to the Photothermal Mirror Technique: An Experimental Analysis. <i>Applied Spectroscopy</i> , 2015, 69, 794-801.  | 2.2 | 0         |
| 17 | Comment on "Experimental comparison of methods based on falling and rising signal regions for thermal diffusivity measurement by pulsed dual-beam thermal lens spectroscopy". <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 183, 109849. | 5.0 | 0         |