

Rafael C Barreto

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

124
citations

1307594

7
h-index

1281871

11
g-index

17
all docs

17
docs citations

17
times ranked

229
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined Monte Carlo and quantum mechanics study of the solvatochromism of phenol in water. The origin of the blue shift of the lowest $\pi\pi^*$ transition. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 1388.	2.8	43
2	Epidemiological study on dengue in southern Brazil under the perspective of climate and poverty. <i>Scientific Reports</i> , 2020, 10, 2127.	3.3	24
3	A Fiber Bragg Grating Water Level Sensor Based on the Force of Buoyancy. <i>IEEE Sensors Journal</i> , 2020, 20, 3608-3613.	4.7	10
4	One- and two-photon absorption of fluorescein dianion in water: A study using S-QM/MM methodology and ZINDO method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 119, 63-75.	3.9	8
5	Diphenylalanine Nanotube Coated Fiber Bragg Grating for Methanol Vapor Detection. <i>IEEE Sensors Journal</i> , 2020, 20, 1290-1296.	4.7	8
6	A simple equation to describe cross-sensitivity between temperature and refractive index in fiber Bragg gratings refractometers. <i>IEEE Sensors Journal</i> , 2017, , 1-1.	4.7	7
7	Exhalation rate of radon-222 from concrete and cement mortar. <i>Nukleonika</i> , 2018, 63, 65-72.	0.8	7
8	Estimation Models for the Refractive Index Response Curve of EFBGs. <i>IEEE Sensors Journal</i> , 2020, 20, 13394-13402.	4.7	5
9	Thickness of radon emitting layer in building materials. <i>Radiation Physics and Chemistry</i> , 2020, 172, 108786.	2.8	4
10	New insights into DPP3Th and C70 based planar solar cells: A study combining DFT and experimental approach. <i>Materials Chemistry and Physics</i> , 2021, 262, 124271.	4.0	4
11	Electron-vibrational coupling on the absorption spectrum of dithienyl-diketopyrrolopyrrole dye. <i>Dyes and Pigments</i> , 2021, 187, 109140.	3.7	2
12	Characterization and spectroscopic analysis of phenol-ethanol hydrogen bonded clusters. <i>Chemical Physics Letters</i> , 2010, 496, 236-242.	2.6	1
13	An Empirical Study of In-Fiber Mach-Zehnder Interferometer's Nonlinear Temperature Response. <i>IEEE Sensors Journal</i> , 2018, 18, 8338-8344.	4.7	1
14	A new CBD-CC-E spectral similarity scale for optimizing computer-simulated UV-vis spectra. <i>Computational and Theoretical Chemistry</i> , 2021, 1197, 113116.	2.5	0
15	Application of semi-empirical model for the evaluation of radium activity in phosphogypsum used as component of clinker. <i>Brazilian Journal of Radiation Sciences</i> , 2021, 9, .	0.0	0
16	Determining radium-226 concentration from radon-222 emanation in building materials: a theoretical model. <i>Brazilian Journal of Radiation Sciences</i> , 2019, 7, .	0.0	0
17	Induced Birefringence by Drop Cast in EFBG Ammonia Sensors. <i>Photonics</i> , 2021, 8, 346.	2.0	0