

Rafael C Barreto

List of Publications by Year in descending order

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17
papers

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1307594

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17
all docs

17
docs citations

17
times ranked

229
citing authors

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