Newton M Barbosa Neto

List of Publications by Year
in descending order

22	281	1040056 9	888059 17
papers	citations	h-index	g-index

23	23	23	375
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of interaction with CTAB micelles on photophysical characteristics of meso-tetrakis(sulfonatophenyl) porphyrin. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 181, 378-384.	3.9	45
2	Langmuir and Langmuirâ€“Blodgett (LB) films of tetrapyridyl metalloporphyrins. Applied Surface Science, 2008, 254, 5946-5952.	6.1	39
3	Dynamic saturable optical nonlinearities in free base tetrapyridylporphyrin. Journal of Porphyrins and Phthalocyanines, 2003, 07, 452-456.	0.8	28
4	Evolution of electronic and vibronic transitions in metal(II) meso-tetra(4-pyridyl)porphyrins. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 215, 327-333.	3.9	22
5	Anharmonicity and Universal Response of Linear Carbon Chain Mechanical Properties under Hydrostatic Pressure. Physical Review Letters, 2020, 125, 105501.	7.8	22
6	Novel insights on the vibronic transitions in free base meso-tetrapyridyl porphyrin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 209, 274-279.	3.9	21
7	Molecular alignment effects on spectroscopic properties 2,1,3-benzothiadiazole guested in liquidâ€“crystalline compounds. Chemical Physics Letters, 2010, 487, 263-267.	2.6	19
8	Influence of the meso-substituents on the spectral features of free-base porphyrin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 238, 118389.	3.9	16
9	Reverse saturable absorption in 5,10,15,20-Tetra(4-pyridyl)-21H,23H-porphyrin with ruthenium outlying complexes. Journal of the Brazilian Chemical Society, 2006, 17, 1377-1782.	0.6	14
10	Multiwall carbon nanotubes filled with Al4C3: Spectroscopic signatures for electron-phonon coupling due to doping process. Carbon, 2017, 124, 348-356.	10.3	9
11	Remarkable Electronic Effect on the meso-Tetra(thienyl)porphyrins. Inorganic Chemistry, 2019, 58, 1030-1039.	4.0	9
12	On the excitation dependence of fluorescence spectra of meso-tetrapyridyl zinc (II) porphyrin and its relation with hydrogen bonding and outlying decoration. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 224, 117371.	3.9	9
13	Thermodynamics of Linear Carbon Chains. Physical Review Letters, 2021, 126, 125901.	7.8	9
14	Photophysics and visible light photodissociation of supramolecular meso-tetra(4-pyridyl) porphyrin/RuCl2(CO)(PPh3)2 structures. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 237, 118351.	3.9	5
15	Effects of pH on the ultrafast transient absorption of iron (III) meso-tetrakis(4-N-methyl-pyridiniumyl) porphyrin (Fe3+TMPyP) molecular complexes. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 408, 113082.	3.9	4
16	Broadband polarized emission from P(NDI2OD-T2) polymer. Journal of Physics Condensed Matter, 2018, 30, 265101.	1.8	3
17	Selective Inner-Filter on the Fluorescence Response of Chlorophyll and Pheophytin Molecules Extracted from Caesalpinia echinata Leaves. Journal of the Brazilian Chemical Society, 0, , .	0.6	3
18	Protonation, exciplex, and evidence of aggregate formation in meso-tetra(4-pyridyl) porphyrin triggered by excited-state absorption. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 426, 113759.	3.9	2

#	Article	IF	Citations
19	Sharma etÂal. Reply:. Physical Review Letters, 2022, 128, .	7.8	2
20	Medindo a constante dielÃ©trica em lÃquidos: um estudo de caso para elaboraÃ§Ã£o de uma proposta para formaÃ§Ã£o de fÃsicos experimentais. Revista Brasileira De Ensino De Fisica, 2019, 41, .	0.2	0
21	Environmental effects, intertube interactions and Ïƒ-Ï€ bond re-hybridization in bundles of double- and triple-walled carbon nanotubes. Carbon, 2020, 158, 651-661.	10.3	0
22	Medindo os parÃ¢metros de Stokes: Uma nova prÃ¡tica para ensino de Ã³ptica. Revista Brasileira De Ensino De Fisica, 0, 42, .	0.2	0