Francis A S Chipem

List of Publications by Year
in descending order

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23 papers	638 citations	687363 13 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	731 citing authors

#	Article	IF	Citations
1	Nanoparticle and surfactant controlled switching between proton transfer and charge transfer reaction coordinates. Physical Chemistry Chemical Physics, 2022, , .	2.8	1
2	Perturbation of proton transfer of 2-(2â€²-hydroxyphenyl)benzimidazole and its nitrogenous analogues by nanoparticles. Journal of Molecular Structure, 2020, 1217, 128352.	3.6	1
3	One-pot Pseudo-Domino Three-Component Knoevenagel Condensation Reaction in Water Enabled by Micellar Catalyst: Mechanism and Reactivity. Letters in Organic Chemistry, 2020, 17, 823-831.	0.5	1
4	Complexation of 2-amino-3-(4-hydroxyphenyl)-Nâ€²-[(2-hydroxyphenyl) methylene] propane hydrazide with Mn(II), Co(II), Ni(II), Cu(II) and Zn(II) ions: Structural characterization, DFT, DNA binding and antimicrobial studies. Journal of Molecular Structure, 2019, 1176, 7-18.	3.6	9
5	Ruthenium(II) Catalysis/Noncovalent Interaction Synergy for Cross-Dehydrogenative Coupling of Arene Carboxylic Acids. ACS Catalysis, 2018, 8, 10173-10179.	11.2	50
6	Comment on â€œMichael Addition Based Chemodosimeter for Serum Creatinine Detection Using (E)-3-(Pyren-2-yl)-1-(3,4,5-trimethoxyphenyl)prop-2-en-1-one Chalconeâ€• ACS Sensors, 2018, 3, 2463-2466.	7.8	1
7	Diacetoxyiodobenzene assisted Câ€“O bond formation via sequential acylation and deacylation process: synthesis of benzoxazole amides and their mechanistic study by DFT. Organic and Biomolecular Chemistry, 2016, 14, 7735-7745.	2.8	11
8	Decomposition of benzoylthioureas into benzamides and thiobenzamides under solvent-free conditions using iodineâ€“alumina as the catalyst and its mechanistic study by density functional theory. New Journal of Chemistry, 2015, 39, 2240-2247.	2.8	7
9	Intramolecular Proton Transfer in 2â€²(2â€²-hydroxyphenyl)oxazolo[4,5â€²b]pyridine: Evidence for Tautomer in the Ground State. Photochemistry and Photobiology, 2015, 91, 298-305.	2.5	12
10	Ratiometric fluorescence sensing ability of 2-(2â€²-hydroxyphenyl)benzimidazole and its nitrogen substituted analogues towards metal ions. Sensors and Actuators B: Chemical, 2014, 191, 727-733.	7.8	40
11	Excited state proton transfer of 2-(2â€²-hydroxyphenyl)benzimidazole and its nitrogen substituted analogues in bovine serum albumin. Photochemical and Photobiological Sciences, 2014, 13, 1297-1304.	2.9	13
12	Temperature Effect on Dual Fluorescence of 2-(2â€²-Hydroxyphenyl)benzimidazole and Its Nitrogen Substituted Analogues. Journal of Physical Chemistry B, 2013, 117, 14079-14088.	2.6	35
13	Photoisomerization of transâ€2â€[4â€²â€(Dimethylamino)styryl]benzothiazole. Photochemistry and Photobiology, 2013, 89, 247-252.	2.5	17
14	Thiourea recognition by 2,6-bis(2-benzimidazolyl)pyridine using spectroscopic techniques and DFT. Journal of Molecular Structure, 2013, 1042, 32-36.	3.6	8
15	Enhancing Excited State Intramolecular Proton Transfer in 2-(2â€²-Hydroxyphenyl)benzimidazole and Its Nitrogen-Substituted Analogues by Î²-Cyclodextrin: The Effect of Nitrogen Substitution. Journal of Physical Chemistry A, 2013, 117, 4084-4095.	2.5	36
16	A 2-pyridyl (py) attached phosphine imine [P(Npy)(NHpy)₃] and an imido phosphinate ion [P(Npy)₂(NHpy)₂]^{â^’}in its Ag(<scp>i</scp>) complex. Dalton Transactions, 2012, 41, 1848-1853.	3.3	17
17	The role of hydrogen bonding in excited state intramolecular charge transfer. Physical Chemistry Chemical Physics, 2012, 14, 8775.	2.8	166
18	Role of nitrogen substitution in phenyl ring on excited state intramolecular proton transfer and rotamerism of 2-(2â€²-hydroxyphenyl)benzimidazole: A theoretical study. Journal of Chemical Physics, 2011, 134, 104308.	3.0	35

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19	Theoretical study on photochemical behavior of trans-2-[4â€²-(dimethylamino)styryl]benzothiazole. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 214, 121-127.	3.9	12
20	The thiocarbonyl â€˜Sâ€™ is softer than thiolate â€˜Sâ€™: A catalyst-free one-pot synthesis of isothiocyanates in water. Organic and Biomolecular Chemistry, 2010, 8, 1674.	2.8	20
21	Comparative Theoretical Study of Rotamerism and Excited State Intramolecular Proton Transfer of 2-(2â€²-Hydroxyphenyl)benzimidazole, 2-(2â€²-Hydroxyphenyl)imidazo[4,5-b]pyridine, 2-(2â€²-Hydroxyphenyl)imidazo[4,5-c] pyridine and 8-(2â€²-Hydroxyphenyl)purine. Journal of Physical Chemistry A, 2009, 113, 12063-12070.	2.5	57
22	Encapsulation of 2-(4â€²-N,N-dimethylamino)phenylimidazo[4,5-b]pyridine in Î²-cyclodextrin: effect on H-bond-induced intramolecular charge transfer emission. Photochemical and Photobiological Sciences, 2009, 8, 1708.	2.9	28
23	Hydrogen bond induced twisted intramolecular charge transfer in 2-(4â€²-N,N-dimethylaminophenyl)imidazo[4,5-b]pyridine. Chemical Physics Letters, 2008, 460, 119-124.	2.6	61