Soumen Saha

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9814096/publications.pdf

Version: 2024-02-01

21	768	567281 15	677142 22
papers	citations	h-index	g-index

23	23	23	671
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sequence Analysis, Structure Prediction of Receptor Proteins and In Silico Study of Potential Inhibitors for Management of Life Threatening COVID-19. Letters in Drug Design and Discovery, 2022, 19, 108-122.	0.7	1
2	Towards developing a criterion to characterize non-covalent bonds: a quantum mechanical study. Physical Chemistry Chemical Physics, 2021, 23, 8478-8488.	2.8	29
3	Theoretically predicting the feasibility of highly-fluorinated ethers as promising diluents for non-flammable concentrated electrolytes. Scientific Reports, 2020, 10, 21966.	3.3	6
4	Microscopic Origin of the Solid Electrolyte Interphase Formation in Fire-Extinguishing Electrolyte: Formation of Pure Inorganic Layer in High Salt Concentration. Journal of Physical Chemistry Letters, 2019, 10, 5949-5955.	4.6	15
5	Probing the Most Stable Isomer of Zirconium Bis(phenoxy-imine) Cation: A Computational Investigation. Journal of Physical Chemistry A, 2018, 122, 2198-2208.	2.5	3
6	Differential cationization of fatty acids with monovalent cations studied by electrospray ionization tandem mass spectrometry and a computational approach. Rapid Communications in Mass Spectrometry, 2018, 32, 1126-1134.	1.5	2
7	On the origin of spurious errors in many-body expansion for water cluster. Journal of Chemical Sciences, 2017, 129, 1053-1060.	1.5	3
8	Palladiumâ€Catalyzed Tandemâ€Cyclization of Functionalized Ynamides: An Approach to Benzosultams. Advanced Synthesis and Catalysis, 2016, 358, 1625-1638.	4.3	36
9	Cooperative or Anticooperative: How Noncovalent Interactions Influence Each Other. Journal of Physical Chemistry B, 2015, 119, 11121-11135.	2.6	66
10	Quantifying cooperativity in water clusters: an attempt towards obtaining a generalised equation. Molecular Physics, 2015, 113, 3031-3041.	1.7	16
11	DFT-based reactivity study of (5,5) armchair boron nitride nanotube (BNNT). Chemical Physics Letters, 2013, 565, 69-73.	2.6	39
12	Hardness potential derivatives and their relation to Fukui indices. Journal of Computational Chemistry, 2013, 34, 662-672.	3.3	18
13	Open and capped (5,5) armchair SWCNTs: A comparative study of DFT-based reactivity descriptors. Chemical Physics Letters, 2012, 541, 85-91.	2.6	46
14	Surface Reactivity for Chlorination on Chlorinated (5,5) Armchair SWCNT: A Computational Approach. Journal of Physical Chemistry C, 2012, 116, 22399-22410.	3.1	62
15	On the complementarity of comprehensive decomposition analysis of stabilization energy (CDASE) â€“ Scheme and supermolecular approach. Chemical Physics, 2012, 394, 29-35.	1.9	46
16	CDASEâ€”A reliable scheme to explain the reactivity sequence between Dielsâ€“Alder pairs. Physical Chemistry Chemical Physics, 2010, 12, 9328.	2.8	58
17	Studies of regioselectivity of large molecular systems using DFT based reactivity descriptors. Annual Reports on the Progress of Chemistry Section C, 2010, 106, 118.	4.4	84
18	Are the Hirshfeld and Mulliken population analysis schemes consistent with chemical intuition?. International Journal of Quantum Chemistry, 2009, 109, 1790-1806.	2.0	102

#	Article	IF	Citations
19	A comprehensive decomposition analysis of stabilization energy (CDASE) and its application in locating the rate-determining step of multi-step reactions. Physical Chemistry Chemical Physics, 2009, 11, 8306.	2.8	63
20	N-Dependence problem of local hardness parameter. Physical Chemistry Chemical Physics, 2008, 10, 5591.	2.8	26
21	â€œOne-into-Manyâ€•Model:â€‰ An Approach on DFT Based Reactivity Descriptor to Predict the Regioselectivity of Large Systems. Journal of Physical Chemistry B, 2007, 111, 9664-9674.	2.6	32