Brijesh Kumar Mishra

List of Publications by Year
in descending order

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28 papers	720 citations	516710 16 h-index	526287 27 g-index
28 all docs	28 docs citations	28 times ranked	1031 citing authors

#	Article	IF	Citations
1	Ï€â˜Ï€ Interaction in Pyridine. Journal of Physical Chemistry A, 2005, 109, 6-8.	2.5	133
2	Tuning the Câ€“HÂ·Â·Â·Ï€ Interaction by Different Substitutions in Benzeneâ€“Acetylene Complexes. Journal of Chemical Theory and Computation, 2012, 8, 1935-1942.	5.3	75
3	Influence of the Substituents on the CH...Ï€ Interaction: Benzeneâ€“Methane Complex. Journal of Physical Chemistry A, 2013, 117, 6687-6694.	2.5	68
4	Stacking and Spreading Interaction in N-Heteroaromatic Systems. Journal of Physical Chemistry A, 2010, 114, 9606-9616.	2.5	60
5	Molecular Mechanism of NDMA Formation from N,N-Dimethylsulfamide During Ozonation: Quantum Chemical Insights into a Bromide-Catalyzed Pathway. Environmental Science & Technology, 2015, 49, 4163-4175.	10.0	53
6	Van der Waals Complexes of Small Molecules with Benzenoid Rings:â€‰ Influence of Multipole Moments on Their Mutual Orientation. Journal of Physical Chemistry A, 2007, 111, 2139-2147.	2.5	33
7	The Nature of Activated Nonâ€classical Hydrogen Bonds: A Case Study on Acetylcholinesteraseâ€“Ligand Complexes. Chemistry - A European Journal, 2016, 22, 2672-2681.	3.3	32
8	â€œGold standardâ€•coupled-cluster study of acetylene pentamers and hexamers via molecular tailoring approach. Theoretical Chemistry Accounts, 2011, 130, 491-500.	1.4	28
9	CHâ‹¯Ï€ and Ï€â‹¯Ï€ interaction in benzeneâ€“acetylene clusters. Chemical Physics Letters, 2013, 557, 59-65.	2.6	27
10	Density functional theoretic studies of hostâ€“guest interaction in gas hydrates. Computational and Theoretical Chemistry, 2014, 1029, 26-32.	2.5	24
11	STACKING INTERACTION IN PYRAZINE DIMER. Journal of Theoretical and Computational Chemistry, 2006, 05, 609-619.	1.8	21
12	Influence of water on the CH₃OË™ + O₂ â†’ CH₂O + HO₂Ë™ reaction. Physical Chemistry Chemical Physics, 2019, 21, 15734-15741.	2.8	20
13	Cation-Ï€ interaction: to stack or to spread. Molecular Physics, 2008, 106, 1557-1566.	1.7	19
14	Interaction of rare gas dimers in the confines of a carbon nanotube. Chemical Physics Letters, 2015, 618, 42-45.	2.6	19
15	Câ€“HÂ·Â·Â·Ï€ Interactions and the Nature of the Donor Carbon Atom. Journal of Organic Chemistry, 2014, 79, 8599-8606.	3.2	18
16	Effect of ammonia and formic acid on the CH₃OË™ + O₂ reaction: a quantum chemical investigation. Physical Chemistry Chemical Physics, 2020, 22, 2405-2413.	2.8	18
17	Î²-Phenyl Quenching of Triplet Excited Ketones:â€‰ How Critical Is the Geometry for Deactivation?. Journal of Organic Chemistry, 2006, 71, 4453-4459.	3.2	17
18	On the use of electronic descriptors for QSAR modelling of PCDDs, PCDFs and dioxin-like PCBs^{Â£}. SAR and QSAR in Environmental Research, 2013, 24, 461-479.	2.2	11

#	Article	IF	Citations
19	Quantum chemical investigation of the reaction of O(3 P 2) with certain hydrocarbon radicals. Journal of Chemical Sciences, 2007, 119, 457-465.	1.5	7
20	Effect of confinement on structure, energy and vibrational spectra of (HF) , nâ€¯=â€¯1â€“4. Chemical Physics Letters, 2019, 733, 136670.	2.6	7
21	Substituentsâ€™ influence on the Câ€“HÂ·Â·Â·Ï€ interaction in the T-shaped benzene dimer. Theoretical Chemistry Accounts, 2018, 137, 1.	1.4	6
22	Effect of confinement on ammonia inversion. European Physical Journal D, 2021, 75, 1.	1.3	5
23	Electron transport through double-walled carbon nanotube quantum dots. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	4
24	Co-operativity in non-covalent interactions in ternary complexes: a comprehensive electronic structure theory based investigation. Journal of Molecular Modeling, 2018, 24, 258.	1.8	4
25	Coaxial carbon nanotubes: from springs to ratchet wheels and nanobearings. Materials Research Express, 2018, 5, 075023.	1.6	4
26	Physical Mechanisms Governing Substituent Effects on Areneâ€“Arene Interactions in a Protein Milieu. Journal of Physical Chemistry B, 2020, 124, 6529-6539.	2.6	4
27	Influence of stacking on the ground and excited states of 2-aminopyridine. Computational and Theoretical Chemistry, 2019, 1148, 60-66.	2.5	2
28	Density functional studies of endosulphan and its interaction with glycine and GABA#. Journal of Chemical Sciences, 2012, 124, 203-207.	1.5	1