

Dhananjay Nandi

List of Publications by Year in descending order

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papers

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citations

759233

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all docs

23
docs citations

23
times ranked

607
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Group Dependent Site Specific Fragmentation of Molecules by Low Energy Electrons. Physical Review Letters, 2005, 95, 143202.	7.8	110
2	Reversible switching of tetra-tert-butyl-azobenzene on a Au(111) surface induced by light and thermal activation. Chemical Physics Letters, 2007, 444, 85-90.	2.6	110
3	Velocity slice imaging for dissociative electron attachment. Review of Scientific Instruments, 2005, 76, 053107.	1.3	88
4	Excitation mechanism in the photoisomerization of a surface-bound azobenzene derivative: Role of the metallic substrate. Journal of Chemical Physics, 2008, 129, 164102.	3.0	75
5	Functional group dependent dissociative electron attachment to simple organic molecules. Journal of Chemical Physics, 2008, 128, 154309.	3.0	41
6	Dissociative electron attachment to formic acid. Chemical Physics Letters, 2005, 405, 172-176.	2.6	37
7	Fragmentation dynamics in dissociative electron attachment to CO probed by velocity slice imaging. Physical Chemistry Chemical Physics, 2015, 17, 7130-7137.	2.8	25
8	A roaming wavepacket in the dynamics of electronically excited 2-hydroxypyridine. Physical Chemistry Chemical Physics, 2014, 16, 581-587.	2.8	24
9	On the presence of the $4\hat{\xi}u\hat{a}^*$ resonance in dissociative electron attachment to O ₂ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, L277-L283.	1.5	16
10	Dissociative electron attachment to polyatomic molecules: Ion kinetic energy measurements. International Journal of Mass Spectrometry, 2010, 289, 39-46.	1.5	16
11	Dissociation dynamics in the dissociative electron attachment to carbon dioxide. Physical Review A, 2015, 91, .	2.5	16
12	Dissociative electron attachment to NO probed by velocity map imaging. Physical Chemistry Chemical Physics, 2011, 13, 1542-1551.	2.8	12
13	Dissociative electron attachment to N ₂ O using velocity slice imaging. Physical Chemistry Chemical Physics, 2014, 16, 3955.	2.8	11
14	Complete data acquisition and analysis system for low-energy electron-molecule collision studies. Measurement Science and Technology, 2015, 26, 095007.	2.6	9
15	Dipolar dissociation dynamics in electron collisions with carbon monoxide. Physical Chemistry Chemical Physics, 2016, 18, 32973-32980.	2.8	9
16	Kinematic study of O^+ ion formation from dissociative electron attachment to SO_2 . Physical Review A, 2018, 97, .	2.5	8
17	A new time of flight mass spectrometer for absolute dissociative electron attachment cross-section measurements in gas phase. Review of Scientific Instruments, 2018, 89, 025115.	1.3	7
18	Probing the molecular structure and properties of neutral and anionic ground states of SO ₂ and CO ₂ . European Physical Journal D, 2019, 73, 1.	1.3	5

#	ARTICLE	IF	CITATIONS
19	Absolute dissociative electron attachment cross-section measurement of difluoromethane. Physical Review A, 2020, 102, .	2.5	5
20	Atomic selectivity in dissociative electron attachment to dihalobenzenes. Physical Chemistry Chemical Physics, 2013, 15, 16503.	2.8	4
21	Study of S ⁻ and SO ⁻ ion formation from dissociative electron attachment to SO ₂ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 185202.	1.5	3
22	Dissociation dynamics in low energy electron attachment to ammonia using velocity slice imaging. Physical Chemistry Chemical Physics, 2019, 21, 21908-21917.	2.8	3
23	Dissociative electron attachment to SO ₂ near 7.5 eV resonance and axial-recoil approximation. Journal of Physics: Conference Series, 2020, 1412, 052005.	0.4	0