

Sadia Bari

List of Publications by Year in descending order

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68
papers

2,157
citations

218381

26
h-index

223531

46
g-index

69
all docs

69
docs citations

69
times ranked

2855
citing authors

#	ARTICLE	IF	CITATIONS
1	Serial time-resolved crystallography of photosystem II using a femtosecond X-ray laser. <i>Nature</i> , 2014, 513, 261-265.	13.7	403
2	Visualizing a protein quake with time-resolved X-ray scattering at a free-electron laser. <i>Nature Methods</i> , 2014, 11, 923-926.	9.0	173
3	Megahertz serial crystallography. <i>Nature Communications</i> , 2018, 9, 4025.	5.8	147
4	Ion-Induced Biomolecular Radiation Damage: From Isolated Nucleobases to Nucleobase Clusters. <i>ChemPhysChem</i> , 2006, 7, 2339-2345.	1.0	82
5	Photodissociation of protonated leucine-enkephalin in the VUV range of 8–40 eV. <i>Journal of Chemical Physics</i> , 2011, 134, 024314.	1.2	77
6	Quantification of ion-induced molecular fragmentation of isolated 2-deoxy-d-ribose molecules. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 1922-1928.	1.3	64
7	Observation of a Four-Electron Auger Process in Near- K -Edge Photoionization of Singly Charged Carbon Ions. <i>Physical Review Letters</i> , 2015, 114, 013002.	2.9	63
8	IONIZATION AND FRAGMENTATION OF ANTHRACENE UPON INTERACTION WITH keV PROTONS AND $\hat{\pm}$ PARTICLES. <i>Astrophysical Journal</i> , 2010, 708, 435-444.	1.6	61
9	Megahertz single-particle imaging at the European XFEL. <i>Communications Physics</i> , 2020, 3, .	2.0	58
10	Imaging molecular structure through femtosecond photoelectron diffraction on aligned and oriented gas-phase molecules. <i>Faraday Discussions</i> , 2014, 171, 57-80.	1.6	55
11	An anti-settling sample delivery instrument for serial femtosecond crystallography. <i>Journal of Applied Crystallography</i> , 2012, 45, 674-678.	1.9	54
12	Coulomb-explosion imaging of concurrent CH_2Br photodissociation dynamics. <i>Physical Review A</i> , 2017, 96, .	1.0	50
13	Anomalous signal from S atoms in protein crystallographic data from an X-ray free-electron laser. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 838-842.	2.5	48
14	Coulomb explosion imaging of CH_3I and CH_2Cl_2 photodissociation dynamics. <i>Journal of Chemical Physics</i> , 2018, 149, 204313.	1.2	46
15	Ion-Induced Fragmentation of Amino Acids: Effect of the Environment. <i>ChemPhysChem</i> , 2011, 12, 930-936.	1.0	44
16	Interactions of neutral and singly charged keV atomic particles with gas-phase adenine molecules. <i>Journal of Chemical Physics</i> , 2007, 127, 034301.	1.2	42
17	Fragmentation of $\hat{\pm}$ - and $\hat{2}$ -alanine molecules by ions at Bragg-peak energies. <i>Journal of Chemical Physics</i> , 2008, 128, 074306.	1.2	41
18	Time-resolved inner-shell photoelectron spectroscopy: From a bound molecule to an isolated atom. <i>Physical Review A</i> , 2018, 97, .	1.0	40

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19	Peptide fragmentation by keV ion-induced dissociation. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 3376.	1.3	39
20	Near L-edge Single and Multiple Photoionization of Singly Charged Iron Ions. <i>Astrophysical Journal</i> , 2017, 849, 5.	1.6	39
21	Fragmentation of protonated oligonucleotides by energetic photons and C^+q ions. <i>Physical Review A</i> , 2013, 87, .	1.0	33
22	Roadmap on dynamics of molecules and clusters in the gas phase. <i>European Physical Journal D</i> , 2021, 75, 1.	0.6	32
23	Prominent role of multielectron processes in K -shell double and triple photodetachment of oxygen anions. <i>Physical Review A</i> , 2016, 94, .	1.0	28
24	Photoionization of metastable heliumlike C^+q		

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37	Site-specific interrogation of an ionic chiral fragment during photolysis using an X-ray free-electron laser. <i>Communications Chemistry</i> , 2021, 4, .	2.0	17
38	Near-Edge Double and Triple Detachment of the K -Edge of the CH_3I^+ Cation. <i>Physical Review Letters</i> , 2020, 125, 043001.	2.9	15
39	Negative Ion: Observation of Direct Two-Electron Ejection by a Single Photon. <i>Physical Review Letters</i> , 2020, 125, 043001.	0.6	14
40	Multiple Ionization of Free Ubiquitin Molecular Ions in Extreme Ultraviolet Free-Electron Laser Pulses. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10741-10745.	7.2	13
41	Photoabsorption of the molecular I^+ cation at the iodine $3d$ edge. <i>Physical Review A</i> , 2018, 97, .	1.0	12
42	A data set from flash X-ray imaging of carboxysomes. <i>Scientific Data</i> , 2016, 3, 160061.	2.4	11
43	A localized view on molecular dissociation via electron-ion partial covariance. <i>Communications Chemistry</i> , 2022, 5, .	2.0	10
44	Photophysics of indole upon X-ray absorption. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 20205-20216.	1.3	9
45	Open data set of live cyanobacterial cells imaged using an X-ray laser. <i>Scientific Data</i> , 2016, 3, 160058.	2.4	7
46	Near-Edge Soft X-ray Absorption Mass Spectrometry of Protonated Melittin. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 2138-2151.	1.2	6
47	XUV double-pulses with femtosecond to 650 ps separation from a multilayer-mirror-based split-and-delay unit at FLASH. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 1517-1528.	1.0	6
48	Sample refreshment schemes for high repetition rate FEL experiments. <i>Proceedings of SPIE</i> , 2013, , .	0.8	5
49	Absorption spectra at the iodine $3d$ ionisation threshold following the CH_3I^+ cation sequence. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25415-25424.	1.3	5
50	Probing Structural Information of Gas-Phase Peptides by Near-Edge X-ray Absorption Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 670-684.	1.2	5
51	Isomeric effects in ion-induced fragmentation of I^+ and I^{2+} -alanine. <i>Journal of Physics: Conference Series</i> , 2008, 101, 012006.	0.3	3
52	Ion induced fragmentation of biomolecular systems at low collision energies. <i>Journal of Physics: Conference Series</i> , 2009, 194, 012048.	0.3	3
53	The electronic structure and deexcitation pathways of an isolated metalloporphyrin ion resolved by metal L-edge spectroscopy. <i>Chemical Science</i> , 2021, 12, 3966-3976.	3.7	3
54	Development of Ultrafast X-ray Free Electron Laser Tools in (Bio)Chemical Research. <i>Topics in Applied Physics</i> , 2020, , 457-499.	0.4	3

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55	Fragmentation of isolated and nanosolvated biomolecular systems. , 2008, , .		2
56	Ultrafast Structural Changes in Chiral Molecules Measured with Free-Electron Lasers. Journal of Physics: Conference Series, 2020, 1412, 112009.	0.3	2
57	The influence of the methionine residue on the dissociation mechanisms of photoionized methionine-enkephalin probed by VUV action spectroscopy. European Physical Journal D, 2021, 75, 1.	0.6	2
58	Fragmentation Dynamics of Fluorene Explored Using Ultrafast XUV-Vis Pump-Probe Spectroscopy. Frontiers in Physics, 2022, 10, .	1.0	2
59	Diffraction effects in the Recoil-Frame Photoelectron Angular Distributions of Halomethanes. Journal of Physics: Conference Series, 2015, 635, 112020.	0.3	1
60	Ionization and Photofragmentation of Isolated Metalloporphyrin Cations Investigated by VUV Action Spectroscopy**. Chemistry - A European Journal, 2021, 27, 12371-12379.	1.7	1
61	CLUSTERS AND CLUSTERS OF CLUSTERS IN COLLISIONS. , 2006, , .		1
62	Stability of pure, mixed and nanohydrated clusters of small biomolecules. Journal of Physics: Conference Series, 2009, 194, 102031.	0.3	0
63	Influence of the environment on the fragmentation of amino acids provoked by low-energy ions. Journal of Physics: Conference Series, 2012, 388, 102052.	0.3	0
64	Interaction of nucleobase clusters with multiply charged ions: Insight into base pairing. Journal of Physics: Conference Series, 2012, 388, 102050.	0.3	0
65	Multiple Ionization of Free Ubiquitin Molecular Ions in Extreme Ultraviolet Free-Electron Laser Pulses. Angewandte Chemie, 2016, 128, 10899-10903.	1.6	0
66	Photoionization and photofragmentation of Sc_3N_8^+ at energies from the carbon K edge to the scandium L and nitrogen K edges. Journal of Physics: Conference Series, 2017, 875, 032033.	0.3	0
67	Multi-electron processes in K-shell double and triple photodetachment of oxygen anions. Journal of Physics: Conference Series, 2017, 875, 022004.	0.3	0
68	From micromolecules' to macromolecules' structural dynamics properties: ultrafast chiroscopy with synchrotron and free-electron laser radiation. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s410-s410.	0.0	0