

# 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	A localized view on molecular dissociation via electron-ion partial covariance. Communications Chemistry, 2022, 5, .	2.0	10
2	Fragmentation Dynamics of Fluorene Explored Using Ultrafast XUV-Vis Pump-Probe Spectroscopy. Frontiers in Physics, 2022, 10, .	1.0	2
3	The electronic structure and deexcitation pathways of an isolated metalloporphyrin ion resolved by metal L-edge spectroscopy. Chemical Science, 2021, 12, 3966-3976.	3.7	3
4	Near L-edge Single and Multiple Photoionization of Doubly Charged Iron Ions. Astrophysical Journal, 2021, 908, 52.	1.6	17
5	Probing Structural Information of Gas-Phase Peptides by Near-Edge X-ray Absorption Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2021, 32, 670-684.	1.2	5
6	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
7	Roadmap on dynamics of molecules and clusters in the gas phase. European Physical Journal D, 2021, 75, 1.	0.6	32
8	Ionization and Photofragmentation of Isolated Metalloporphyrin Cations Investigated by VUV Action Spectroscopy**. Chemistry - A European Journal, 2021, 27, 12371-12379.	1.7	1
9	Site-specific interrogation of an ionic chiral fragment during photolysis using an X-ray free-electron laser. Communications Chemistry, 2021, 4, .	2.0	17
10	Time-resolved relaxation and fragmentation of polycyclic aromatic hydrocarbons investigated in the ultrafast XUV-IR regime. Nature Communications, 2021, 12, 6107.	5.8	18
11	The photonâ€œion mergedâ€œbeams experiment PIPE at PETRAâ€œIIIâ€œThe first five years. X-Ray Spectrometry, 2020, 49, 11-20.	0.9	17
12	Megahertz single-particle imaging at the European XFEL. Communications Physics, 2020, 3, .	2.0	58
13	Ultrafast Structural Changes in Chiral Molecules Measured with Free-Electron Lasers. Journal of Physics: Conference Series, 2020, 1412, 112009.	0.3	2
14	Site-Selective Dissociation upon Sulfur L-Edge X-ray Absorption in a Gas-Phase Protonated Peptide. Journal of Physical Chemistry Letters, 2020, 11, 1215-1221.	2.1	20
15	Development of Ultrafast X-ray Free Electron Laser Tools in (Bio)Chemical Research. Topics in Applied Physics, 2020, , 457-499.	0.4	3
16	Time-resolved site-selective imaging of predissociation and charge transfer dynamics: the CH3I B-band. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 224001.	0.6	14
17	Inner-shell X-ray absorption spectra of the cationic series NH<sub>y</sub><sup>+</sup> (<i>y</i> =) Tj ETQq1 1 0,784314 rgBT /Ov	1.8	19
18	Photoionization and photofragmentation of singly charged positive and negative <math>N</math> endohedral fullerene ions. Physical Review A, 2019, 99, .	1.0	20

#	ARTICLE	IF	CITATIONS
19	Near L-edge Single and Multiple Photoionization of Triply Charged Iron Ions. <i>Astrophysical Journal</i> , 2019, 887, 189.	1.6	20
20	Absorption spectra at the iodine 3d ionisation threshold following the CH <sub>x</sub> I <sup>+</sup> ( <i>i&gt;x&lt;/i&gt; = 0â€³) cation sequence. <i>Physical Chemistry Chemical Physics</i>, 2019, 21, 25415-25424.</i>	1.3	5
21	Photoabsorption of the molecular IH cation at the iodine $\alpha$ edge. <i>Physical Review A</i> , 2018, 97, .	1.0	12
22	Soft X-ray Spectroscopy as a Probe for Gasâ€Phase Protein Structure: Electron Impact Ionization from Within. <i>Chemistry - A European Journal</i> , 2018, 24, 7631-7636.	1.7	23
23	Time-resolved inner-shell photoelectron spectroscopy: From a bound molecule to an isolated atom. <i>Physical Review A</i> , 2018, 97, .	1.0	40
24	Near- $K$ -Edge Double and Triple Detachment of the $F$ Negative Ion: Observation of Direct Two-Electron Ejection by a Single Photon. <i>Physical Review Letters</i> , 2018, 121, 043001.	2.9	15
25	Coulomb explosion imaging of CH <sub>3</sub> I and CH <sub>2</sub> Cl <sub>2</sub> photodissociation dynamics. <i>Journal of Chemical Physics</i> , 2018, 149, 204313.	1.2	46
26	Megahertz serial crystallography. <i>Nature Communications</i> , 2018, 9, 4025.	5.8	147
27	Photoionization of metastable heliumlike $K$ $\alpha$ emission. <i>Physical Review Letters</i> , 2018, 121, 043001.	1.0	12

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37	Multiple Ionization of Free Ubiquitin Molecular Ions in Extreme Ultraviolet Free-Electron Laser Pulses. <i>Angewandte Chemie</i> , 2016, 128, 10899-10903.	1.6	0
38	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
39	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
40	From micromolecules' to macromolecules' structural dynamics properties: ultrafast chiroscopy with synchrotron and free-electron laser radiation. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s410-s410.	0.0	0
41	Diffraction effects in the Recoil-Frame Photoelectron Angular Distributions of Halomethanes. <i>Journal of Physics: Conference Series</i> , 2015, 635, 112020.	0.3	1
42	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
43	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
44	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
45	Serial time-resolved crystallography of photosystem II using a femtosecond X-ray laser. <i>Nature</i> , 2014, 513, 261-265.	13.7	403
46	Fragmentation of protonated oligonucleotides by energetic photons and $C^+q$ ions. <i>Physical Review A</i> , 2013, 87, .	1.0	33
47	Sample refreshment schemes for high repetition rate FEL experiments. <i>Proceedings of SPIE</i> , 2013, , .	0.8	5
48	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
49	Influence of the environment on the fragmentation of amino acids provoked by low-energy ions. <i>Journal of Physics: Conference Series</i> , 2012, 388, 102052.	0.3	0
50	Interaction of nucleobase clusters with multiply charged ions: Insight into base pairing. <i>Journal of Physics: Conference Series</i> , 2012, 388, 102050.	0.3	0
51	Length effects in VUV photofragmentation of protonated peptides. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4351.	1.3	21
52	An anti-settling sample delivery instrument for serial femtosecond crystallography. <i>Journal of Applied Crystallography</i> , 2012, 45, 674-678.	1.9	54
53	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
54	Ion-Induced Fragmentation of Amino Acids: Effect of the Environment. <i>ChemPhysChem</i> , 2011, 12, 930-936.	1.0	44

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55	Fast side-chain losses in keV ion-induced dissociation of protonated peptides. International Journal of Mass Spectrometry, 2011, 299, 64-70.	0.7	24
56	IONIZATION AND FRAGMENTATION OF ANTHRACENE UPON INTERACTION WITH keV PROTONS AND $\hat{1}\pm$ PARTICLES. Astrophysical Journal, 2010, 708, 435-444.	1.6	61
57	Peptide fragmentation by keV ion-induced dissociation. Physical Chemistry Chemical Physics, 2010, 12, 3376.	1.3	39
58	Kinetic energy releases of small amino acids upon interaction with keV ions. European Physical Journal D, 2009, 51, 81-87.	0.6	26
59	Stability of pure, mixed and nanohydrated clusters of small biomolecules. Journal of Physics: Conference Series, 2009, 194, 102031.	0.3	0
60	Ion induced fragmentation of biomolecular systems at low collision energies. Journal of Physics: Conference Series, 2009, 194, 012048.	0.3	3
61	Fragmentation of isolated and nanosolvated biomolecular systems. , 2008, , .		2
62	Fragmentation of $\hat{1}\pm$ - and $\hat{1}^2$ -alanine molecules by ions at Bragg-peak energies. Journal of Chemical Physics, 2008, 128, 074306.	1.2	41
63	Isomeric effects in ion-induced fragmentation of $\hat{1}\pm$ - and $\hat{1}^2$ -alanine. Journal of Physics: Conference Series, 2008, 101, 012006.	0.3	3
64	Interactions of neutral and singly charged keV atomic particles with gas-phase adenine molecules. Journal of Chemical Physics, 2007, 127, 034301.	1.2	42
65	Quantification of ion-induced molecular fragmentation of isolated 2-deoxy-d-ribose molecules. Physical Chemistry Chemical Physics, 2006, 8, 1922-1928.	1.3	64
66	Ion-induced ionization and fragmentation of DNA building blocks. Physica Scripta, 2006, 73, C113-C117.	1.2	27
67	Ion-Induced Biomolecular Radiation Damage: From Isolated Nucleobases to Nucleobase Clusters. ChemPhysChem, 2006, 7, 2339-2345.	1.0	82
68	CLUSTERS AND CLUSTERS OF CLUSTERS IN COLLISIONS. , 2006, , .		1