Elisabetta Boeri Erba

List of Publications by Year
in descending order

41 papers	2,243 citations	236925 25 h-index	265206 42 g-index
45 all docs	45 docs citations	45 times ranked	3697 citing authors

#	Article	IF	Citations
1	Divalent cations influence the dimerization mode of murine S100A9 protein by modulating its disulfide bond pattern. Journal of Structural Biology, 2021, 213, 107689.	2.8	5
2	Structural insights into protein folding, stability and activity using in vivo perdeuteration of hen egg-white lysozyme. IUCrJ, 2021, 8, 372-386.	2.2	4
3	The Plastid-Encoded RNA Polymerase-Associated Protein PAP9 Is a Superoxide Dismutase With Unusual Structural Features. Frontiers in Plant Science, 2021, 12, 668897.	3.6	11
4	Revealing the mechanism of repressor inactivation during switching of a temperate bacteriophage. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20576-20585.	7.1	6
5	Exploring the structure and dynamics of macromolecular complexes by native mass spectrometry. Journal of Proteomics, 2020, 222, 103799.	2.4	42
6	A Guide to Native Mass Spectrometry to determine complex interactomes of molecular machines. FEBS Journal, 2020, 287, 2428-2439.	4.7	11
7	Serial femtosecond crystallography on in vivo-grown crystals drives elucidation of mosquitocidal Cyt1Aa bioactivation cascade. Nature Communications, 2020, 11, 1153.	12.8	31
8	A molecular mechanism for transthyretin amyloidogenesis. Nature Communications, 2019, 10, 925.	12.8	92
9	Characterizing Intact Macromolecular Complexes Using Native Mass Spectrometry. Methods in Molecular Biology, 2018, 1764, 133-151.	0.9	10
10	Efficient conversion of alkenes to chlorohydrins by a Ru-based artificial enzyme. Chemical Communications, 2017, 53, 3579-3582.	4.1	10
11	Structural intermediates in the fusionâ€associated transition of vesiculovirus glycoprotein. EMBO Journal, 2017, 36, 679-692.	7.8	19
12	Unraveling self-assembly pathways of the 468-kDa proteolytic machine TET2. Science Advances, 2017, 3, e1601601.	10.3	28
13	Synaptic Interactome Mining Reveals p140Cap as a New Hub for PSD Proteins Involved in Psychiatric and Neurological Disorders. Frontiers in Molecular Neuroscience, 2017, 10, 212.	2.9	30
14	Structures of the inactive and active states of RIP2 kinase inform on the mechanism of activation. PLoS ONE, 2017, 12, e0177161.	2.5	35
15	Insights into the molecular architecture and histone H3-H4 deposition mechanism of yeast Chromatin assembly factor 1. ELife, 2017, 6, .	6.0	47
16	Impact of Deuteration on the Assembly Kinetics of Transthyretin Monitored by Native Mass Spectrometry and Implications for Amyloidoses. Angewandte Chemie - International Edition, 2016, 55, 9292-9296.	13.8	25
17	Impact of Deuteration on the Assembly Kinetics of Transthyretin Monitored by Native Mass Spectrometry and Implications for Amyloidoses. Angewandte Chemie, 2016, 128, 9438-9442.	2.0	3
18	Structural and dynamics studies of a truncated variant of CI repressor from bacteriophage TP901-1. Scientific Reports, 2016, 6, 29574.	3.3	13

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19	Asymmetric ring structure of Vps4 required for ESCRT-III disassembly. Nature Communications, 2015, 6, 8781.	12.8	45
20	Combining a NHS ester and glutaraldehyde improves crosslinking prior to MALDI MS analysis of intact protein complexes. Journal of Mass Spectrometry, 2015, 50, 1114-1119.	1.6	4
21	The emerging role of native mass spectrometry in characterizing the structure and dynamics of macromolecular complexes. Protein Science, 2015, 24, 1176-1192.	7.6	100
22	Novel insights into nickel import in Staphylococcus aureus: the positive role of free histidine and structural characterization of a new thiazolidine-type nickel chelator. Metallomics, 2015, 7, 613-621.	2.4	44
23	Investigating macromolecular complexes using topâ€down mass spectrometry. Proteomics, 2014, 14, 1259-1270.	2.2	30
24	Matrix-assisted Laser Desorption/Ionization Time of Flight (MALDI-TOF) Mass Spectrometric Analysis of Intact Proteins Larger than 100 kDa. Journal of Visualized Experiments, 2013, , .	0.3	41
25	Mapping of p140Cap Phosphorylation Sites: The EPLYA and EGLYA Motifs Have a Key Role in Tyrosine Phosphorylation and Csk Binding, and Are Substrates of the Abl Kinase. PLoS ONE, 2013, 8, e54931.	2.5	26
26	MALDI-ToF Mass Spectrometry for Studying Noncovalent Complexes of Biomolecules. Topics in Current Chemistry, 2012, 331, 1-36.	4.0	15
27	Structural and Functional Characterization of an SMC-like Protein RecN: New Insights into Double-Strand Break Repair. Structure, 2012, 20, 2076-2089.	3.3	43
28	The interaction of the antitoxin DM43 with a snake venom metalloproteinase analyzed by mass spectrometry and surface plasmon resonance. Journal of Mass Spectrometry, 2012, 47, 567-573.	1.6	11
29	Compelling Advantages of Negative Ion Mode Detection in High-Mass MALDI-MS for Homomeric Protein Complexes. Journal of the American Society for Mass Spectrometry, 2012, 23, 213-224.	2.8	12
30	Mass spectrometric studies of dissociation constants of noncovalent complexes. Annual Reports on the Progress of Chemistry Section C, 2011, 107, 199.	4.4	44
31	Quantifying Proteinâ€“Protein Interactions Within Noncovalent Complexes Using Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2011, 83, 9251-9259.	6.5	50
32	Ion Mobility-Mass Spectrometry Reveals the Influence of Subunit Packing and Charge on the Dissociation of Multiprotein Complexes. Analytical Chemistry, 2010, 82, 9702-9710.	6.5	66
33	Symmetrical Modularity of the COP9 Signalosome Complex Suggests its Multifunctionality. Structure, 2009, 17, 31-40.	3.3	133
34	Assembly reflects evolution of protein complexes. Nature, 2008, 453, 1262-1265.	27.8	383
35	The Tyrosine Phosphatase Shp2 Interacts with NPM-ALK and Regulates Anaplastic Lymphoma Cell Growth and Migration. Cancer Research, 2007, 67, 4278-4286.	0.9	86
36	Quantitation of Multisite EGF Receptor Phosphorylation Using Mass Spectrometry and a Novel Normalization Approach. Journal of Proteome Research, 2007, 6, 2768-2785.	3.7	27

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37	p130Cas mediates the transforming properties of the anaplastic lymphoma kinase. Blood, 2005, 106, 3907-3916.	1.4	72
38	Systematic Analysis of the Epidermal Growth Factor Receptor by Mass Spectrometry Reveals Stimulation-dependent Multisite Phosphorylation. Molecular and Cellular Proteomics, 2005, 4, 1107-1121.	3.8	46
39	p130Cas-associated Protein (p140Cap) as a New Tyrosine-phosphorylated Protein Involved in Cell Spreading. Molecular Biology of the Cell, 2004, 15, 787-800.	2.1	64
40	Integrin regulation of epidermal growth factor (EGF) receptor and of EGF-dependent responses. Biochemical Society Transactions, 2004, 32, 438-442.	3.4	147
41	Integrin-induced Epidermal Growth Factor (EGF) Receptor Activation Requires c-Src and p130Cas and Leads to Phosphorylation of Specific EGF Receptor Tyrosines. Journal of Biological Chemistry, 2002, 277, 9405-9414.	3.4	330