

# Elisabetta Boeri Erba

## List of Publications by Year in descending order

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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	Assembly reflects evolution of protein complexes. <i>Nature</i> , 2008, 453, 1262-1265.	27.8	383
2	Integrin-induced Epidermal Growth Factor (EGF) Receptor Activation Requires c-Src and p130Cas and Leads to Phosphorylation of Specific EGF Receptor Tyrosines. <i>Journal of Biological Chemistry</i> , 2002, 277, 9405-9414.	3.4	330
3	Integrin regulation of epidermal growth factor (EGF) receptor and of EGF-dependent responses. <i>Biochemical Society Transactions</i> , 2004, 32, 438-442.	3.4	147
4	Symmetrical Modularity of the COP9 Signalosome Complex Suggests its Multifunctionality. <i>Structure</i> , 2009, 17, 31-40.	3.3	133
5	The emerging role of native mass spectrometry in characterizing the structure and dynamics of macromolecular complexes. <i>Protein Science</i> , 2015, 24, 1176-1192.	7.6	100
6	A molecular mechanism for transthyretin amyloidogenesis. <i>Nature Communications</i> , 2019, 10, 925.	12.8	92
7	The Tyrosine Phosphatase Shp2 Interacts with NPM-ALK and Regulates Anaplastic Lymphoma Cell Growth and Migration. <i>Cancer Research</i> , 2007, 67, 4278-4286.	0.9	86
8	p130Cas mediates the transforming properties of the anaplastic lymphoma kinase. <i>Blood</i> , 2005, 106, 3907-3916.	1.4	72
9	Ion Mobility-Mass Spectrometry Reveals the Influence of Subunit Packing and Charge on the Dissociation of Multiprotein Complexes. <i>Analytical Chemistry</i> , 2010, 82, 9702-9710.	6.5	66
10	p130Cas-associated Protein (p140Cap) as a New Tyrosine-phosphorylated Protein Involved in Cell Spreading. <i>Molecular Biology of the Cell</i> , 2004, 15, 787-800.	2.1	64
11	Quantifying Protein-Protein Interactions Within Noncovalent Complexes Using Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 9251-9259.	6.5	50
12	Insights into the molecular architecture and histone H3-H4 deposition mechanism of yeast Chromatin assembly factor 1. <i>ELife</i> , 2017, 6, .	6.0	47
13	Systematic Analysis of the Epidermal Growth Factor Receptor by Mass Spectrometry Reveals Stimulation-dependent Multisite Phosphorylation. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 1107-1121.	3.8	46
14	Asymmetric ring structure of Vps4 required for ESCRT-III disassembly. <i>Nature Communications</i> , 2015, 6, 8781.	12.8	45
15	Mass spectrometric studies of dissociation constants of noncovalent complexes. <i>Annual Reports on the Progress of Chemistry Section C</i> , 2011, 107, 199.	4.4	44
16	Novel insights into nickel import in <i>Staphylococcus aureus</i> : the positive role of free histidine and structural characterization of a new thiazolidine-type nickel chelator. <i>Metallomics</i> , 2015, 7, 613-621.	2.4	44
17	Structural and Functional Characterization of an SMC-like Protein RecN: New Insights into Double-Strand Break Repair. <i>Structure</i> , 2012, 20, 2076-2089.	3.3	43
18	Exploring the structure and dynamics of macromolecular complexes by native mass spectrometry. <i>Journal of Proteomics</i> , 2020, 222, 103799.	2.4	42

#	ARTICLE	IF	CITATIONS
19	Matrix-assisted Laser Desorption/Ionization Time of Flight (MALDI-TOF) Mass Spectrometric Analysis of Intact Proteins Larger than 100 kDa. <i>Journal of Visualized Experiments</i> , 2013, , .	0.3	41
20	Structures of the inactive and active states of RIP2 kinase inform on the mechanism of activation. <i>PLoS ONE</i> , 2017, 12, e0177161.	2.5	35
21	Serial femtosecond crystallography on in vivo-grown crystals drives elucidation of mosquitocidal Cyt1Aa bioactivation cascade. <i>Nature Communications</i> , 2020, 11, 1153.	12.8	31
22	Investigating macromolecular complexes using top-down mass spectrometry. <i>Proteomics</i> , 2014, 14, 1259-1270.	2.2	30
23	Synaptic Interactome Mining Reveals p140Cap as a New Hub for PSD Proteins Involved in Psychiatric and Neurological Disorders. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 212.	2.9	30
24	Unraveling self-assembly pathways of the 468-kDa proteolytic machine TET2. <i>Science Advances</i> , 2017, 3, e1601601.	10.3	28
25	Quantitation of Multisite EGF Receptor Phosphorylation Using Mass Spectrometry and a Novel Normalization Approach. <i>Journal of Proteome Research</i> , 2007, 6, 2768-2785.	3.7	27
26	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. <i>PLoS ONE</i> , 2013, 8, e54931.	2.5	26
27	Impact of Deuteration on the Assembly Kinetics of Transthyretin Monitored by Native Mass Spectrometry and Implications for Amyloidoses. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9292-9296.	13.8	25
28	Structural intermediates in the fusion-associated transition of vesiculovirus glycoprotein. <i>EMBO Journal</i> , 2017, 36, 679-692.	7.8	19
29	MALDI-ToF Mass Spectrometry for Studying Noncovalent Complexes of Biomolecules. <i>Topics in Current Chemistry</i> , 2012, 331, 1-36.	4.0	15
30	Structural and dynamics studies of a truncated variant of CI repressor from bacteriophage TP901-1. <i>Scientific Reports</i> , 2016, 6, 29574.	3.3	13
31	Compelling Advantages of Negative Ion Mode Detection in High-Mass MALDI-MS for Homomeric Protein Complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 213-224.	2.8	12
32	The interaction of the antitoxin DM43 with a snake venom metalloproteinase analyzed by mass spectrometry and surface plasmon resonance. <i>Journal of Mass Spectrometry</i> , 2012, 47, 567-573.	1.6	11
33	A Guide to Native Mass Spectrometry to determine complex interactomes of molecular machines. <i>FEBS Journal</i> , 2020, 287, 2428-2439.	4.7	11
34	The Plastid-Encoded RNA Polymerase-Associated Protein PAP9 Is a Superoxide Dismutase With Unusual Structural Features. <i>Frontiers in Plant Science</i> , 2021, 12, 668897.	3.6	11
35	Efficient conversion of alkenes to chlorohydrins by a Ru-based artificial enzyme. <i>Chemical Communications</i> , 2017, 53, 3579-3582.	4.1	10
36	Characterizing Intact Macromolecular Complexes Using Native Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2018, 1764, 133-151.	0.9	10

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37	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
38	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
39	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
40	Structural insights into protein folding, stability and activity using <i>in vivo</i> perdeuteration of hen egg-white lysozyme. IUCr, 2021, 8, 372-386.	2.2	4
41	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