

# Stefano Elli

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7509294/publications.pdf>

Version: 2024-02-01

31  
papers

1,098  
citations

686830

13  
h-index

476904

29  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1893  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heparin Inhibits Cellular Invasion by SARS-CoV-2: Structural Dependence of the Interaction of the Spike S1 Receptor-Binding Domain with Heparin. <i>Thrombosis and Haemostasis</i> , 2020, 120, 1700-1715.	1.8	228
2	Computational Experiments on Filled Rubber Viscoelasticity: What Is the Role of Particle-Particle Interactions?. <i>Macromolecules</i> , 2006, 39, 6744-6751.	2.2	104
3	Size and persistence length of molecular bottle-brushes by Monte Carlo simulations. <i>Journal of Chemical Physics</i> , 2004, 120, 6257-6267.	1.2	74
4	Intrinsic and Topological Stiffness in Branched Polymers. <i>Macromolecules</i> , 2005, 38, 5288-5299.	2.2	58
5	An unusual antithrombin-binding heparin octasaccharide with an additional 3-O-sulfated glucosamine in the active pentasaccharide sequence. <i>Biochemical Journal</i> , 2013, 449, 343-351.	1.7	49
6	Human ( $\pm 2^{\circ}6$ ) and Avian ( $\pm 2^{\circ}3$ ) Sialylated Receptors of Influenza A Virus Show Distinct Conformations and Dynamics in Solution. <i>Biochemistry</i> , 2013, 52, 7217-7230.	1.2	45
7	Positron and positronium chemistry by quantum Monte Carlo. V. The ground state potential energy curve of $e+LiH$ . <i>Journal of Chemical Physics</i> , 2000, 113, 6154-6159.	1.2	44
8	Effects on Molecular Conformation and Anticoagulant Activities of 1,6-Anhydrosugars at the Reducing Terminal of Antithrombin-Binding Octasaccharides Isolated from Low-Molecular-Weight Heparin Enoxaparin. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 8030-8040.	2.9	44
9	Heparin Dodecasaccharide Containing Two Antithrombin-binding Pentasaccharides. <i>Journal of Biological Chemistry</i> , 2013, 288, 25895-25907.	1.6	40
10	Evidence of a putative glycosaminoglycan binding site on the glycosylated SARS-CoV-2 spike protein N-terminal domain. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 2806-2818.	1.9	33
11	Computer simulation of bulk mechanical properties and surface hydration of biomaterials. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 77A, 618-626.	2.1	28
12	Investigating Glycol-Split-Heparin-Derived Inhibitors of Heparanase: A Study of Synthetic Trisaccharides. <i>Molecules</i> , 2016, 21, 1602.	1.7	15
13	Insights into the Human Glycan Receptor Conformation of 1918 Pandemic Hemagglutinin Glycan Complexes Derived from Nuclear Magnetic Resonance and Molecular Dynamics Studies. <i>Biochemistry</i> , 2014, 53, 4122-4135.	1.2	14
14	Structural and conformational studies of the heparan sulfate mimetic PI-88. <i>Glycobiology</i> , 2018, 28, 731-740.	1.3	13
15	Nuclear Magnetic Resonance and Molecular Dynamics Simulation of the Interaction between Recognition Protein H7 of the Novel Influenza Virus H7N9 and Glycan Cell Surface Receptors. <i>Biochemistry</i> , 2016, 55, 6605-6616.	1.2	12
16	Pentosan Polysulfate Inhibits Attachment and Infection by SARS-CoV-2 In Vitro: Insights into Structural Requirements for Binding. <i>Thrombosis and Haemostasis</i> , 2022, 122, 984-997.	1.8	12
17	Recognition and Conformational Properties of an Alternative Antithrombin Binding Sequence Obtained by Chemoenzymatic Synthesis. <i>ChemBioChem</i> , 2018, 19, 1178-1188.	1.3	11
18	Susceptibility of enoxaparin reducing end amino sugars to periodate oxidation. <i>Carbohydrate Research</i> , 2014, 400, 33-43.	1.1	9

#	ARTICLE	IF	CITATIONS
19	Degeneracy of the Antithrombin Binding Sequence in Heparin: 2â€œOâ€œSulfated Iduronic Acid Can Replace the Critical Glucuronic Acid. <i>Chemistry - A European Journal</i> , 2020, 26, 11814-11818.	1.7	9
20	Surface adsorption of comb polymers by Monte Carlo simulations. <i>Polymer</i> , 2008, 49, 1716-1724.	1.8	7
21	Investigating the relationship between temperature, conformation and calcium binding in heparin model oligosaccharides. <i>Carbohydrate Research</i> , 2017, 438, 58-64.	1.1	7
22	BMP6 binding to heparin and heparan sulfate is mediated by N-terminal and C-terminal clustered basic residues. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129799.	1.1	7
23	Mechanochemical synthesis of mechanical bonds in M12L8 poly-[n]-catenanes. <i>Dalton Transactions</i> , 2021, 51, 53-58.	1.6	7
24	Modeling the Adsorption Behavior of Linear End-Functionalized Poly(ethylene glycol) on an Ionic Substrate by a Coarse-Grained Monte Carlo Approach. <i>Langmuir</i> , 2010, 26, 15814-15823.	1.6	6
25	In silico and in vitro analysis of genetic variants of the equine CYP3A94, CYP3A95 and CYP3A97 isoenzymes. <i>Toxicology in Vitro</i> , 2019, 60, 116-124.	1.1	5
26	Characterization of an Antibody Recognizing the Conserved Inner Core of <i>Pseudomonas aeruginosa</i> Lipopolysaccharides. <i>Biochemistry</i> , 2020, 59, 4202-4211.	1.2	4
27	Enisamium Inhibits SARS-CoV-2 RNA Synthesis. <i>Biomedicines</i> , 2021, 9, 1254.	1.4	4
28	Conformational changes of 1-4-glucopyranosyl residues of a sulfated CC linked hexasaccharide. <i>Carbohydrate Research</i> , 2014, 389, 134-140.	1.1	2
29	MD simulation of the interaction between sialoglycans and the second sialic acid binding site of influenza A virus N1 neuraminidase. <i>Biochemical Journal</i> , 2021, 478, 423-441.	1.7	2
30	Molecular Aspects of Heparanase Interaction with Heparan Sulfate, Heparin and Glycol Split Heparin. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1221, 169-188.	0.8	2
31	Heteroaromatic Chromophores: Structure, Electric Properties, Condensed Phase and Aggregation Effects: a Combined Experimental and Theoretical Study. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	0