Luca Bellucci

List of Publications by Year
in descending order

38 papers	954 citations	516681 16 h-index	454934 30 g-index
45 all docs	45 docs citations	45 times ranked	1638 citing authors

#	Article	IF	Citations
1	Acidic pH Promotes Refolding and Macroscopic Assembly of Amyloid Î² (16â€“22) Peptides at the Airâ€“Water Interface. Journal of Physical Chemistry Letters, 2022, 13, 6674-6679.	4.6	3
2	Covalent organic functionalization of graphene nanosheets and reduced graphene oxidevia1,3-dipolar cycloaddition of azomethine ylide. Nanoscale Advances, 2021, 3, 5841-5852.	4.6	11
3	Deterministic synthesis of Cu9S5 flakes assisted by single-layer graphene arrays. Nanoscale Advances, 2021, 3, 1352-1361.	4.6	1
4	In silico design, building and gas adsorption of nano-porous graphene scaffolds. Nanotechnology, 2021, 32, 045704.	2.6	5
5	Atomistic simulations of gold surface functionalization for nanoscale biosensors applications. Nanotechnology, 2021, 32, 095702.	2.6	9
6	Effects of Ligand Binding on the Energy Landscape of Acyl-CoA-Binding Protein. Biophysical Journal, 2020, 119, 1821-1832.	0.5	15
7	Dynamics and structural communication in the ternary complex of fully phosphorylated V2 vasopressin receptor, vasopressin, and Î²-arrestin 1. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183355.	2.6	6
8	Engineering 3D Graphene-Based Materials: State of the Art and Perspectives. Molecules, 2020, 25, 339.	3.8	15
9	Water splitting of hydrogen chemisorbed in graphene oxide dynamically evolves into a graphane lattice. Carbon, 2019, 153, 234-241.	10.3	12
10	Interconnecting Flexibility, Structural Communication, and Function in RhoGEF Oncoproteins. Journal of Chemical Information and Modeling, 2019, 59, 4300-4313.	5.4	13
11	Activation of PKA via asymmetric allosteric coupling of structurally conserved cyclic nucleotide binding domains. Nature Communications, 2019, 10, 3984.	12.8	18
12	III-V semicondutor nanostructures and iontronics: InAs nanowire-based electric double layer field effect transistors. AIP Conference Proceedings, 2019, , .	0.4	4
13	From the Buffer Layer to Graphene on Silicon Carbide: Exploring Morphologies by Computer Modeling. Frontiers in Materials, 2019, 6, .	2.4	13
14	The interaction of peptides and proteins with nanostructures surfaces: a challenge for nanoscience. Current Opinion in Colloid and Interface Science, 2019, 41, 86-94.	7.4	35
15	Contribution of the residue at position 4 within classical nuclear localization signals to modulating interaction with importins and nuclear targeting. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 1114-1129.	4.1	22
16	Structural Determinants of Constitutive Activation of GÎ± Proteins: Transducin as a Paradigm. Journal of Chemical Theory and Computation, 2017, 13, 886-899.	5.3	10
17	Gating of TonB-dependent transporters by substrate-specific forced remodelling. Nature Communications, 2017, 8, 14804.	12.8	64
18	Fibrillation-prone conformations of the amyloid-Î²-42 peptide at the gold/water interface. Nanoscale, 2017, 9, 2279-2290.	5.6	25

#	Article	IF	Citations
19	Small-Molecule Protein-Protein Interaction Inhibitor of Oncogenic Rho Signaling. Cell Chemical Biology, 2016, 23, 1135-1146.	5.2	28
20	The interaction with gold suppresses fiber-like conformations of the amyloid Î² (16â€“22) peptide. Nanoscale, 2016, 8, 8737-8748.	5.6	55
21	Interaction with a Gold Surface Reshapes the Free Energy Landscape of Alanine Dipeptide. Journal of Physical Chemistry C, 2014, 118, 11357-11364.	3.1	29
22	Unconventional Plasticity of HIV-1 Reverse Transcriptase: How Inhibitors Could Open a Connection â€œGateâ€•between Allosteric and Catalytic Sites. Journal of Chemical Information and Modeling, 2013, 53, 3117-3122.	5.4	5
23	Single-Molecule Folding Mechanism of an EF-Hand Neuronal Calcium Sensor. Structure, 2013, 21, 1812-1821.	3.3	27
24	Stereoretentive Chlorination of Cyclic Alcohols Catalyzed by Titanium(IV) Tetrachloride: Evidence for a Front Side Attack Mechanism. Journal of Organic Chemistry, 2013, 78, 2118-2127.	3.2	14
25	The Structure of Neuronal Calcium Sensor-1 in Solution Revealed by Molecular Dynamics Simulations. PLoS ONE, 2013, 8, e74383.	2.5	12
26	Proteins and Peptides at Gold Surfaces: Insights from Atomistic Simulations. ACS Symposium Series, 2012, , 229-250.	0.5	8
27	Investigations on the 4â€Quinoloneâ€3â€Carboxylic Acid Motif Partâ€…5: Modulation of the Physicochemical Profile of a Set of Potent and Selective Cannabinoidâ€2 Receptor Ligands through a Bioisosteric Approach. ChemMedChem, 2012, 7, 920-934.	3.2	27
28	A Direct and Stereoretentive Synthesis of Amides from Cyclic Alcohols. European Journal of Organic Chemistry, 2011, 2011, 7057-7061.	2.4	13
29	Diastereoselective gas-phase ion/molecule reactions of ethanolamine neurotransmitter/amido[4]resorcinarene adducts. International Journal of Mass Spectrometry, 2010, 291, 84-89.	1.5	6
30	Metadynamics Simulations of Enantioselective Acylation Give Insights into the Catalytic Mechanism of Burkholderia cepacia Lipase. Journal of Chemical Theory and Computation, 2010, 6, 1145-1156.	5.3	5
31	Structural Basis of Enzymatic (S)-Norcoclaurine Biosynthesis. Journal of Biological Chemistry, 2009, 284, 897-904.	3.4	106
32	Crystal Structure of the OXA-48 Î²-Lactamase Reveals Mechanistic Diversity among Class D Carbapenemases. Chemistry and Biology, 2009, 16, 540-547.	6.0	144
33	Microwave-Assisted Intramolecular Huisgen Cycloaddition of Azido Alkynes Derived from Î±-Amino Acids. Journal of Organic Chemistry, 2009, 74, 1314-1321.	3.2	33
34	Discovery of Chiral Cyclopropyl Dihydro-Alkylthio-Benzyl-Oxopyrimidine (S-DABO) Derivatives as Potent HIV-1 Reverse Transcriptase Inhibitors with High Activity Against Clinically Relevant Mutants. Journal of Medicinal Chemistry, 2009, 52, 840-851.	6.4	44
35	Dihydro-alkylthio-benzyl-oxopyrimidines as Inhibitors of Reverse Transcriptase: Synthesis and Rationalization of the Biological Data on Both Wild-Type Enzyme and Relevant Clinical Mutants. Journal of Medicinal Chemistry, 2007, 50, 6580-6595.	6.4	48
36	A combined Raman, DFT and MD study of the solvation dynamics and the adsorption process of pyridine in silver hydrosols. Physical Chemistry Chemical Physics, 2006, 8, 171-178.	2.8	38

#	Article	IF	Citations
37	A new algorithm for rigid body molecular dynamics. Chemical Physics, 2006, 328, 259-268.	1.9	14
38	Behavior of polarizable models in presence of strong electric fields. I. Origin of nonlinear effects in water point-charge systems. Journal of Chemical Physics, 2005, 123, 194109.	3.0	14