

# Luca Bellucci

## List of Publications by Year in descending order

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38  
papers

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citations

516710  
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docs citations

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times ranked

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

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19	Small-Molecule Protein-Protein Interaction Inhibitor of Oncogenic Rho Signaling. <i>Cell Chemical Biology</i> , 2016, 23, 1135-1146.	5.2	28
20	The interaction with gold suppresses fiber-like conformations of the amyloid $\beta$ (16-22) peptide. <i>Nanoscale</i> , 2016, 8, 8737-8748.	5.6	55
21	Interaction with a Gold Surface Reshapes the Free Energy Landscape of Alanine Dipeptide. <i>Journal of Physical Chemistry C</i> , 2014, 118, 11357-11364.	3.1	29
22	Unconventional Plasticity of HIV-1 Reverse Transcriptase: How Inhibitors Could Open a Connection between Allosteric and Catalytic Sites. <i>Journal of Chemical Information and Modeling</i> , 2013, 53, 3117-3122.	5.4	5
23	Single-Molecule Folding Mechanism of an EF-Hand Neuronal Calcium Sensor. <i>Structure</i> , 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. <i>Journal of Organic Chemistry</i> , 2013, 78, 2118-2127.	3.2	14
25	The Structure of Neuronal Calcium Sensor-1 in Solution Revealed by Molecular Dynamics Simulations. <i>PLoS ONE</i> , 2013, 8, e74383.	2.5	12
26	Proteins and Peptides at Gold Surfaces: Insights from Atomistic Simulations. <i>ACS Symposium Series</i> , 2012, , 229-250.	0.5	8
27	Investigations on the 4-Quinolone-3-Carboxylic Acid Motif Part 5: Modulation of the Physicochemical Profile of a Set of Potent and Selective Cannabinoid $\text{CB}_2$ Receptor Ligands through a Bioisosteric Approach. <i>ChemMedChem</i> , 2012, 7, 920-934.	3.2	27
28	A Direct and Stereoretentive Synthesis of Amides from Cyclic Alcohols. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 7057-7061.	2.4	13
29	Diastereoselective gas-phase ion/molecule reactions of ethanolamine neurotransmitter/amido[4]resorcinarene adducts. <i>International Journal of Mass Spectrometry</i> , 2010, 291, 84-89.	1.5	6
30	Metadynamics Simulations of Enantioselective Acylation Give Insights into the Catalytic Mechanism of <i>Burkholderia cepacia</i> Lipase. <i>Journal of Chemical Theory and Computation</i> , 2010, 6, 1145-1156.	5.3	5
31	Structural Basis of Enzymatic (S)-Norcoclaurine Biosynthesis. <i>Journal of Biological Chemistry</i> , 2009, 284, 897-904.	3.4	106
32	Crystal Structure of the OXA-48 $\beta$ -Lactamase Reveals Mechanistic Diversity among Class D Carbapenemases. <i>Chemistry and Biology</i> , 2009, 16, 540-547.	6.0	144
33	Microwave-Assisted Intramolecular Huisgen Cycloaddition of Azido Alkynes Derived from $\alpha$ -Amino Acids. <i>Journal of Organic Chemistry</i> , 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. <i>Journal of Medicinal Chemistry</i> , 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. <i>Journal of Medicinal Chemistry</i> , 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. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 171-178.	2.8	38

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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