

# Stefano Borocci

## List of Publications by Year in descending order

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82  
papers

1,299  
citations

304602

22  
h-index

414303

32  
g-index

86  
all docs

86  
docs citations

86  
times ranked

1196  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of the Spacer of Cationic Gemini Amphiphiles in the Condensation of DNA. <i>Langmuir</i> , 2005, 21, 10271-10274.	1.6	62
2	Surface Charge Density Determines the Efficiency of Cationic Gemini Surfactant Based Lipofection. <i>Biophysical Journal</i> , 2003, 84, 578-587.	0.2	55
3	Noble Gas Anions: A Theoretical Investigation of $\text{FNg}^-\text{N}^+$ ( $\text{Ng} = \text{He}, \text{Xe}$ ). <i>Journal of Physical Chemistry A</i> , 2007, 111, 10144-10151.	1.1	53
4	Chiral Recognition of Dipeptides in a Biomembrane Model. <i>Journal of the American Chemical Society</i> , 2004, 126, 13354-13362.	6.6	50
5	From $\text{OBeHe}$ to $\text{H}_3\text{BOBeHe}$ : Enhancing the stability of a neutral helium compound. <i>Chemical Physics Letters</i> , 2005, 406, 179-183.	1.2	43
6	Bonding Motifs of Noble-Gas Compounds As Described by the Local Electron Energy Density. <i>Journal of Physical Chemistry A</i> , 2015, 119, 6528-6541.	1.1	42
7	Characterization of Mixed Monolayers of Phosphatidylcholine and a Dicationic Gemini Surfactant SS-1 with a Langmuir Balance: Effects Of DNA. <i>Biophysical Journal</i> , 2001, 81, 2135-2143.	0.2	41
8	Xenon Nitrogen Chemistry: Gas Phase Generation and Theoretical Investigation of the Xenon Difluoronitrenium Ion $\text{F}_2\text{N}^+\text{Xe}$ . <i>Chemistry - A European Journal</i> , 2011, 17, 10682-10689.	1.7	40
9	$\text{F}_3\text{Ge}^+\text{Xe}$ : A Xenon Germanium Molecular Species. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2006-2010.	2.1	39
10	$\text{SBeNg}$ , $\text{SBNg}^+$ , and $\text{SCNg}^{2+}$ complexes ( $\text{Ng} = \text{He}, \text{Ne}, \text{Ar}$ ): a computational investigation on the structure and stability. <i>Chemical Physics Letters</i> , 2004, 384, 25-29.	1.2	38
11	Role of the Spacer Stereochemistry on the Aggregation Properties of Cationic Gemini Surfactants. <i>Langmuir</i> , 2006, 22, 9333-9338.	1.6	36
12	Neutral Helium Compounds: Theoretical Evidence for a Large Class of Polynuclear Complexes. <i>Chemistry - A European Journal</i> , 2006, 12, 5033-5042.	1.7	36
13	Efficiency of Liposomes in the Delivery of a Photosensitizer Controlled by the Stereochemistry of a Gemini Surfactant Component. <i>Molecular Pharmaceutics</i> , 2010, 7, 130-137.	2.3	33
14	Recognition in Organized Aggregates Formed by a Chiral Amidic Surfactant. <i>Langmuir</i> , 1999, 15, 8025-8031.	1.6	31
15	Selectivity in the Oxidation of Limonene by Amphiphilized Metalloporphyrins in Micellar Media. <i>Langmuir</i> , 2001, 17, 7198-7203.	1.6	29
16	Deracemization of an axially chiral biphenylic derivative as a tool for investigating chiral recognition in self-assemblies. <i>Chirality</i> , 2003, 15, 441-447.	1.3	29
17	Noble gas sulfur anions: A theoretical investigation of $\text{FNgS}^-$ ( $\text{Ng} = \text{He}, \text{Ar}, \text{Kr}, \text{Xe}$ ). <i>Chemical Physics Letters</i> , 2008, 458, 48-53.	1.2	29
18	Cationic Noble Gas Hydrides: A Theoretical Investigation of Dinuclear $\text{HNgFNgH}^+$ ( $\text{Ng} = \text{He}, \text{Ne}, \text{Ar}, \text{Kr}, \text{Xe}$ ). <i>Journal of Physical Chemistry A</i> , 2015, 119, 6528-6541.	1.1	29

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19	Communication: "Position" does matter: The photofragmentation of the nitroimidazole isomers. <i>Journal of Chemical Physics</i> , 2016, 145, 191102.	1.2	25
20	Conformational Behavior of Aqueous Micelles of Sodium N-Dodecanoyl-L-prolinate. <i>Langmuir</i> , 1999, 15, 2627-2630.	1.6	24
21	New biphenylic derivatives: synthesis, characterisation and enantiodiscrimination in chiral aggregates. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 987-994.	1.8	24
22	Recognition of Concanavalin A by Cationic Glucosylated Liposomes. <i>Langmuir</i> , 2014, 30, 11301-11306.	1.6	23
23	Complexes of XeHXe <sup>+</sup> with Simple Ligands: A Theoretical Investigation on (XeHXe <sup>+</sup> ) <sub>2</sub> L (L = N <sub>2</sub> , CO, H <sub>2</sub> O, NH <sub>3</sub> ). <i>Journal of Physical Chemistry A</i> , 2015, 119, 2383-2392.	1.1	22
24	Neutral Compounds with Xenon- Germanium Bonds: A Theoretical Investigation on FXeGeF and FXeGeF <sub>3</sub> . <i>Journal of Physical Chemistry A</i> , 2014, 118, 3326-3334.	1.1	21
25	Multiple Recombination Events and Strong Purifying Selection at the Origin of SARS-CoV-2 Spike Glycoprotein Increased Correlated Dynamic Movements. <i>International Journal of Molecular Sciences</i> , 2021, 22, 80.	1.8	21
26	Deracemization of an Axially Chiral Biphenylic Structure in Chiral Micellar Aggregates. <i>Langmuir</i> , 1998, 14, 1960-1962.	1.6	20
27	Structural effects on the NaOCl epoxidation of styrene in micellar media catalysed by amphiphilised Mn(III)metalloporphyrins. <i>Journal of Molecular Catalysis A</i> , 2002, 179, 125-131.	4.8	19
28	Cationic noble gas hydrides-2: A theoretical investigation on HNgHNgH <sup>+</sup> (Ng=Ar, Kr, Xe). <i>Computational and Theoretical Chemistry</i> , 2011, 964, 318-323.	1.1	19
29	Noncovalent Complexes of the Noble Gas Atoms: Analyzing the Transition from Physical to Chemical Interactions. <i>Journal of Computational Chemistry</i> , 2019, 40, 2318-2328.	1.5	19
30	Noble gas selenium molecular species: A theoretical investigation of FNgSe <sup>+</sup> (Ng=He, Xe). <i>Chemical Physics Letters</i> , 2009, 470, 49-53.	1.2	18
31	Classifying the chemical bonds involving the noble-gas atoms. <i>New Journal of Chemistry</i> , 2020, 44, 14536-14550.	1.4	17
32	Cationic Germanium Fluorides: A Theoretical Investigation on the Structure, Stability, and Thermochemistry of GeFn/GeFn <sup>+</sup> (n= 1-3). <i>Journal of Physical Chemistry A</i> , 2006, 110, 4900-4905.	1.1	15
33	Chiral recognition of dipeptides in phosphatidylcholine aggregates. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 2731-2737.	1.8	14
34	Chiral recognition of dipeptides in bio-membrane models: the role of amphiphile hydrophobic chains. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 124-130.	1.8	13
35	Synthesis and physicochemical characterization of pyrrolidinium based surfactants. <i>Journal of Colloid and Interface Science</i> , 2013, 392, 297-303.	5.0	12
36	VUV Photofragmentation of CH <sub>2</sub> I <sub>2</sub> : The [CH <sub>2</sub> I] <sup>+</sup> Intermediate in the I-Loss Channel from [CH <sub>2</sub> I <sub>2</sub> ] <sup>+</sup> . <i>Journal of Physical Chemistry A</i> , 2015, 119, 3704-3709.	1.1	12

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37	Nitrogen Trifluoride as a Bifunctional Lewis Base: Implications for the Adsorption of NF <sub>3</sub> on Solid Surfaces. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 1125-1130.	1.0	11
38	Ion chemistry in germane/fluorocompounds gaseous mixtures: a mass spectrometric and theoretical study. <i>Journal of Mass Spectrometry</i> , 2008, 43, 1320-1333.	0.7	11
39	Role of the hydrophilic spacer of glucosylated amphiphiles included in liposome formulations in the recognition of Concanavalin A. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 232-239.	2.5	11
40	Gas-phase chemistry of ionized and protonated GeF <sub>4</sub> : a joint experimental and theoretical study. <i>Journal of Mass Spectrometry</i> , 2011, 46, 465-477.	0.7	10
41	Complexes of helium with neutral molecules: Progress toward a quantitative scale of bonding character. <i>Journal of Computational Chemistry</i> , 2020, 41, 1000-1011.	1.5	10
42	Noble-gas compounds: A general procedure of bonding analysis. <i>Journal of Chemical Physics</i> , 2022, 156, 014104.	1.2	10
43	Design and Characterization of Myristoylated and Non-Myristoylated Peptides Effective against <i>Candida</i> spp. Clinical Isolates. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2164.	1.8	10
44	Altered Local Interactions and Long-Range Communications in UK Variant (B.1.1.7) Spike Glycoprotein. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5464.	1.8	9
45	Cationic germanium fluorides. <i>International Journal of Mass Spectrometry</i> , 2006, 257, 50-59.	0.7	8
46	New pyrenyl fluorescent amphiphiles: synthesis and aggregation properties. <i>Soft Matter</i> , 2011, 7, 8525.	1.2	8
47	On the Proton-Bound Noble Gas Dimers (Ng-H-Ng) <sup>+</sup> and (Ng-H-Ng <sup>TM</sup> ) <sup>+</sup> (Ng, Ng <sup>TM</sup> = He-Xe): Relationships between Structure, Stability, and Bonding Character. <i>Molecules</i> , 2021, 26, 1305.	1.7	8
48	From LAr to L-ArBeO (L=He, Ne, Ar, HF): Switching on $\sigma$ -hole effects in non-covalent interactions. <i>Chemical Physics Letters</i> , 2021, 768, 138402.	1.2	8
49	How stereochemistry of lipid components can affect lipid organization and the route of liposome internalization into cells. <i>Nanoscale</i> , 2021, 13, 11976-11993.	2.8	8
50	Effect of surfactant phase transition on the inclusion behaviour of an amphiphilised porphyrin derivative. Electronic supplementary information (ESI) available: experimental details of spectroscopic studies. See <a href="http://www.rsc.org/suppdata/cc/b1/b111692d/">http://www.rsc.org/suppdata/cc/b1/b111692d/</a> The synthesis of porphyrin 1 is described in ref. 8. Brij 35 and CTAN stand for polyoxyethylene(23)lauryl ether, and cetyltrimethylammonium nitrate, respectively. Critical Micelle Concentration (cmc) of Brij 35 is 0.05 mM (see ref. 11); that of CTAN is 0.8 mM. <i>Chemical Communications</i> , 2002, , 774-775.	2.2	7
51	Spectroscopic studies on the selective inclusion of amphiphilised porphyrin derivatives in micellar phases. <i>Journal of Porphyrins and Phthalocyanines</i> , 2003, 07, 181-190.	0.4	7
52	Positive Ion Chemistry of SiH <sub>4</sub> /NF <sub>3</sub> Gaseous Mixtures Studied by Ion Trap Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2009, 15, 209-220.	0.5	7
53	Complexes of the Noble Gases with H <sub>3</sub> O <sup>+</sup> : A Theoretical Investigation of Ng(H <sub>3</sub> O <sup>+</sup> ) (Ng = He-Xe). <i>European Journal of Mass Spectrometry</i> , 2015, 21, 171-181.	0.5	7
54	Title is missing!. <i>Helvetica Chimica Acta</i> , 2002, 85, 2817-2826.	1.0	6

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55	OBHe <sup>+</sup> : a remarkably stable singly charged cation containing helium. <i>Chemical Physics Letters</i> , 2004, 398, 357-360.	1.2	6
56	Gaseous germyl cations: A theoretical investigation on the structure, properties, and mechanism of formation of and (n=0-2). <i>Computational and Theoretical Chemistry</i> , 2012, 993, 131-139.	1.1	6
57	Complexation of short ds RNA/DNA oligonucleotides with Gemini micelles: a time resolved SAXS and computational study. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 3046-3055.	1.3	6
58	Fluoromethyl Cations and Group XIV Congeners AHnF3 <sup>n+</sup> (A = Si, Ge, Sn, Pb; n = 0-2): From Covalent Structures to Ion-Molecule Complexes. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 3010-3015. <a alt="http://www.w3.org/1998/Math/MathML" href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif"	1.0	5
59	Computational Isomerism of Cycloserine and Its Protonated Form. <i>ChemPlusChem</i> , 2014, 79, 584-591.	1.1	5
60	Bimolecular Homolytic Substitutions at Nitrogen: An Experimental and Theoretical Study on the Gas-Phase Reactions of Alkyl Radicals with NF <sub>3</sub> . <i>Chemistry - A European Journal</i> , 2015, 21, 15826-15834.	1.7	5
61	VUV Photofragmentation of Chloriodomethane: The Iso-CH <sub>2</sub> I <sup>+</sup> Cl and Iso-CH <sub>2</sub> Cl <sup>+</sup> I Radical Cation Formation. <i>Journal of Physical Chemistry A</i> , 2020, 124, 7491-7499.	1.1	5
62	Ionization of 2- and 4(5)-Nitroimidazoles Radiosensitizers: A Kinetic Competition Between NO <sub>2</sub> and NO Losses. <i>ChemPhysChem</i> , 2021, 22, 2387-2391.	1.0	5
63	Ligation of Be <sup>+</sup> and Mg <sup>+</sup> to NF <sub>3</sub> : Structure, stability, and thermochemistry of the Be <sup>+</sup> (NF <sub>3</sub> ) and Mg <sup>+</sup> (NF <sub>3</sub> ) complexes. <i>International Journal of Mass Spectrometry</i> , 2006, 255-256, 11-19.	0.7	4
64	Noble Gas Complexes: Theoretical Investigation of Multicenter Polynuclear Species. <i>Helvetica Chimica Acta</i> , 2007, 90, 1335-1352.	1.0	4
65	A Computational Investigation of HCN <sub>2</sub> <sup>+</sup> Isomeric Structures: Implications for the Chemistry of Titan's Atmosphere. <i>ChemPhysChem</i> , 2004, 5, 1345-1351.	1.0	3
66	FN+Cl Ions from Ionized F <sub>2</sub> NCl: a Computational Investigation on the Structure and Reactivity toward H <sub>2</sub> O. <i>Helvetica Chimica Acta</i> , 2004, 87, 1467-1482.	1.0	3
67	Ge <sub>3</sub> Hn <sup>-</sup> -Anions (n= 0-5) and Their Neutral Analogues: A Theoretical Investigation on the Structure, Stability, and Thermochemistry. <i>Journal of Physical Chemistry A</i> , 2006, 110, 9429-9437.	1.1	3
68	Chiral Recognition in Biomembrane Models: What is behind a "Simple Model"™. <i>Synlett</i> , 2009, 2009, 1023-1033.	1.0	3
69	Segregation into domains observed in liquid crystal phases: comparison of experimental and theoretical data. <i>Soft Matter</i> , 2011, 7, 3392.	1.2	3
70	Gas-phase reactions of SiH <sub>n</sub> <sup>+</sup> (n = 1, 2) with NF <sub>3</sub> : A computational investigation on the detailed mechanistic aspects. <i>Journal of Computational Chemistry</i> , 2012, 33, 1918-1926.	1.5	3
71	Elucidation of the isomeric domains formed by sodium N-dodecanoyl-L-prolinate. <i>Journal of Colloid and Interface Science</i> , 2004, 280, 212-218.	5.0	2
72			

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73	Gas-phase ion chemistry of NF <sub>3</sub> /SO <sub>2</sub> mixtures: A mass spectrometric and theoretical investigation. <i>International Journal of Mass Spectrometry</i> , 2007, 266, 86-91.	0.7	2
74	Positive Ion Chemistry of SiH <sub>4</sub> /GeF <sub>4</sub> Gaseous Mixtures Studied by Ion Trap Mass Spectrometry and <i>Ab Initio</i> Calculations. <i>European Journal of Mass Spectrometry</i> , 2011, 17, 197-206.	0.5	2
75	Concerning the Role of $\sigma$ -Hole in Non-Covalent Interactions: Insights from the Study of the Complexes of ArBeO with Simple Ligands. <i>Molecules</i> , 2021, 26, 4477.	1.7	2
76	Comment on "Computational Investigation of SO <sub>3</sub> -NH <sub>3</sub> -nXn (n = 0-3; X = F, Cl) Interactions". <i>Journal of Physical Chemistry A</i> , 2005, 109, 2410-2411.	1.1	1
77	Cl-Initiated oxidation of N-ethyl-perfluoroalkanesulfonamides: A theoretical insight into the experimentally observed products. <i>Computational and Theoretical Chemistry</i> , 2008, 857, 57-65.	1.5	1
78	Germyl Cations with Ge-S Bonds: An Experimental and Theoretical Study on the Gaseous F <sub>n</sub> Ge(SH) <sub>3-n</sub> (n = 0-2). <i>European Journal of Mass Spectrometry</i> , 2012, 18, 447-456.	0.5	1
79	Complexes of the noble-gas atoms with unsaturated ions: A theoretical investigation on the exemplary (H <sub>2</sub> C=NH <sub>2</sub> <sup>+</sup> )Ar. <i>Chemical Physics Letters</i> , 2020, 752, 137532.	1.2	1
80	Ion chemistry of sulfuryl fluoride: An experimental and theoretical study on gas-phase reactions involving neutral and ionized SO <sub>2</sub> F <sub>2</sub> . <i>International Journal of Mass Spectrometry</i> , 2013, 354-355, 46-53.	0.7	0
81	New insight on the photofragmentation of CH <sub>2</sub> I <sub>2</sub> . <i>Journal of Physics: Conference Series</i> , 2015, 635, 112064.	0.3	0
82	"Position" does matter : the photofragmentation of the nitroimidazole isomers. <i>Journal of Physics: Conference Series</i> , 2017, 875, 032007.	0.3	0