

Federico Sebastiani

List of Publications by Year in descending order

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21
papers

455
citations

759233

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752698

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21
docs citations

21
times ranked

425
citing authors

#	ARTICLE	IF	CITATIONS
1	An active site at work – the role of key residues in C. diphtheriae coproheme decarboxylase. Journal of Inorganic Biochemistry, 2022, 229, 111718.	3.5	9
2	Spectroscopic Fingerprints of Cavity Formation and Solute Insertion as a Measure of Hydration Entropic Loss and Enthalpic Gain. Angewandte Chemie - International Edition, 2022, 61, .	13.8	20
3	Spectroscopic Fingerprints of Cavity Formation and Solute Insertion as a Measure of Hydration Entropic Loss and Enthalpic Gain. Angewandte Chemie, 2022, 134, .	2.0	1
4	Probing Local Electrostatics of Glycine in Aqueous Solution by THz Spectroscopy. Angewandte Chemie - International Edition, 2021, 60, 3768-3772.	13.8	19
5	Probing Local Electrostatics of Glycine in Aqueous Solution by THz Spectroscopy. Angewandte Chemie, 2021, 133, 3812-3816.	2.0	3
6	Molecular Fingerprints of Hydrophobicity at Aqueous Interfaces from Theory and Vibrational Spectroscopies. Journal of Physical Chemistry Letters, 2021, 12, 3827-3836.	4.6	34
7	Reaction intermediate rotation during the decarboxylation of coproheme to heme b in C.Âdiphtheriae. Biophysical Journal, 2021, 120, 3600-3614.	0.5	12
8	Aqueous TMAO solution under high hydrostatic pressure. Physical Chemistry Chemical Physics, 2021, 23, 11355-11365.	2.8	3
9	Stripping away ion hydration shells in electrical double-layer formation: Water networks matter. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	20
10	Cooperativity and ion pairing in magnesium sulfate aqueous solutions from the dilute regime to the solubility limit. Physical Chemistry Chemical Physics, 2020, 22, 12140-12153.	2.8	18
11	Strong Anisotropy in Liquid Water upon Librational Excitation Using Terahertz Laser Fields. Journal of Physical Chemistry B, 2020, 124, 4989-5001.	2.6	20
12	An isolated water droplet in the aqueous solution of a supramolecular tetrahedral cage. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32954-32961.	7.1	24
13	Untersuchung von Ionenhydratation und Ionenpaarbildung mittels THz-Âspektroskopie. Angewandte Chemie, 2019, 131, 3030-3044.	2.0	7
14	Ion Hydration and Ion Pairing as Probed by THz Spectroscopy. Angewandte Chemie - International Edition, 2019, 58, 3000-3013.	13.8	92
15	Urea's match in the hydrogen-bond network? A high pressure THz study. Biophysical Chemistry, 2019, 254, 106240.	2.8	5
16	Does hydrated glycine act as solidification nucleus at multi-kilobar conditions?. Biophysical Chemistry, 2019, 253, 106215.	2.8	3
17	Spectroscopic fingerprints in the low frequency spectrum of ice (Ih), clathrate hydrates, supercooled water, and hydrophobic hydration reveal similarities in the hydrogen bond network motifs. Journal of Chemical Physics, 2019, 150, 224505.	3.0	25
18	Hydrophilic Solvation Dominates the Terahertz Fingerprint of Amino Acids in Water. Journal of Physical Chemistry B, 2018, 122, 1453-1459.	2.6	20

#	ARTICLE	IF	CITATIONS
19	Water Dynamics from THz Spectroscopy Reveal the Locus of a Liquid-Liquid Binodal Limit in Aqueous CaCO ₃ Solutions. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 490-495.	13.8	101
20	THz-Spektroskopie erlaubt Rückschlüsse auf die Wasserdynamik und die Lage einer flüssig-flüssig-binodalen Grenze in wässrigen CaCO ₃ -Lösungen. <i>Angewandte Chemie</i> , 2017, 129, 504-509.	7.0	15
21	Spectroscopic evidence of the effect of hydrogen peroxide excess on the coproheme decarboxylase from actinobacterial <i>Corynebacterium diphtheriae</i> . <i>Journal of Raman Spectroscopy</i> , 0, , .	2.5	4