

Olivier Horner

List of Publications by Year in descending order

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955
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687220

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22
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973
citing authors

#	ARTICLE	IF	CITATIONS
1	State of art of natural inhibitors of calcium carbonate scaling. A review article. <i>Desalination</i> , 2015, 356, 47-55.	4.0	237
2	Structures of Fe(II) Complexes with N,N,N'-Tris(2-pyridylmethyl)ethane-1,2-diamine Type Ligands. Bleomycin-like DNA Cleavage and Enhancement by an Alkylammonium Substituent on the N-Atom of the Ligand. <i>Inorganic Chemistry</i> , 1999, 38, 1085-1092.	1.9	116
3	Identification of Iron(III) Peroxo Species in the Active Site of the Superoxide Reductase SOR from <i>Desulfoarculus baarsii</i> . <i>Journal of the American Chemical Society</i> , 2002, 124, 4966-4967.	6.6	109
4	Spectroscopic Description of the Two Nitrosyl-Iron Complexes Responsible for Fur Inhibition by Nitric Oxide. <i>Journal of the American Chemical Society</i> , 2004, 126, 6005-6016.	6.6	88
5	SQUID Magnetization Study of the Infrared-Induced Spin Transition in the S ₂ State of Photosystem II: Δ Spin Value Associated with the $g = 4.1$ EPR Signal. <i>Journal of the American Chemical Society</i> , 1998, 120, 7924-7928.	6.6	65
6	Iron Carbonyl, Nitrosyl, and Nitro Complexes of a Tetrapodal Pentadentate Amine Ligand: Synthesis, Electronic Structure, and Nitrite Reductase-like Reactivity. <i>Chemistry - A European Journal</i> , 2002, 8, 5709-5722.	1.7	55
7	Mössbauer Characterization of an Unusual High-Spin Side-On Peroxo-Fe ³⁺ Species in the Active Site of Superoxide Reductase from <i>Desulfoarculus baarsii</i> . Density Functional Calculations on Related Models. <i>Biochemistry</i> , 2004, 43, 8815-8825.	1.2	42
8	Spectroscopic and Electrochemical Characterization of an Aqua Ligand Exchange and Oxidatively Induced Deprotonation in Diiron Complexes. <i>Inorganic Chemistry</i> , 2004, 43, 1638-1648.	1.9	40
9	Application of the Fast Controlled Precipitation method to assess the scale-forming ability of raw river waters. <i>Desalination</i> , 2012, 299, 89-95.	4.0	38
10	Study of the inhibition effect of two polymers on calcium carbonate formation by fast controlled precipitation method and quartz crystal microbalance. <i>Journal of Water Process Engineering</i> , 2015, 7, 11-20.	2.6	30
11	In Situ Probing Calcium Carbonate Formation by Combining Fast Controlled Precipitation Method and Small-Angle X-ray Scattering. <i>Langmuir</i> , 2014, 30, 3303-3309.	1.6	22
12	Antiscalant properties of <i>Spergularia rubra</i> and <i>Parietaria officinalis</i> aqueous solutions. <i>Journal of Crystal Growth</i> , 2016, 443, 43-49.	0.7	19
13	Antiscalant properties of <i>Herniaria glabra</i> aqueous solution. <i>Desalination</i> , 2017, 409, 157-162.	4.0	16
14	A Mössbauer Study of [Fe(edta)(O ₂)] ³⁻ Agrees with a High-Spin Fe(III) Peroxo Complex. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 1186-1189.	1.0	12
15	Direct detection of calcium carbonate scaling via a pre-calcified sensitive area of a quartz crystal microbalance. <i>Desalination</i> , 2014, 352, 103-108.	4.0	12
16	Scale inhibition effect of <i>Hylocereus undatus</i> solution on calcium carbonate formation. <i>Journal of Crystal Growth</i> , 2019, 524, 125161.	0.7	12
17	Study of the influence of the supersaturation coefficient on scaling rate using the pre-calcified surface of a quartz crystal microbalance. <i>Water Research</i> , 2018, 142, 347-353.	5.3	10
18	Scale inhibition properties of metallic cations on CaCO ₃ formation using fast controlled precipitation and a scaling quartz microbalance. , 0, 167, 113-121.		9

#	ARTICLE	IF	CITATIONS
19	Calcium carbonate scaling prevention by a green chemical inhibitor, gallic acid. <i>Water and Environment Journal</i> , 2021, 35, 998-1006.	1.0	8
20	Unusual oxidative stability of a multidentate primary amine ligand: facile synthesis of the oxo-bridged diiron(III) complex. <i>Inorganic Chemistry Communication</i> , 2004, 7, 773-776.	1.8	7
21	Small axial and transverse magnetic field systems for a ⁵⁷ Fe Mössbauer study of Kramers systems. <i>Measurement Science and Technology</i> , 2003, 14, 629-632.	1.4	3
22	Inhibition of CaCO ₃ growth in hard water by quercetin as green inhibitor. <i>Water and Environment Journal</i> , 2020, 34, 263-272.	1.0	3
23	Scaling inhibition by sol-gel phosphosilicate hybrid films: Influence of doping Cu ²⁺ and Zn ²⁺ cations. <i>Surface and Coatings Technology</i> , 2022, 443, 128597.	2.2	2