

Claire M Loison

List of Publications by Year in descending order

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27
papers

627
citations

777949

13
h-index

685536

24
g-index

30
all docs

30
docs citations

30
times ranked

1124
citing authors

#	ARTICLE	IF	CITATIONS
1	First hyperpolarizability of water at the air–vapor interface: a QM/MM study questions standard experimental approximations. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 24932-24941.	1.3	6
2	Rheology of sliding leaflets in coarse-grained DSPC lipid bilayers. <i>Physical Review E</i> , 2021, 104, 054802.	0.8	3
3	Coarse-Grain Simulations of Solid Supported Lipid Bilayers with Varying Hydration Levels. <i>Journal of Physical Chemistry B</i> , 2020, 124, 8287-8298.	1.2	2
4	Comment to: “Martini straight: Boosting performance using a shorter cutoff and GPUs” by D.H. de Jong, S. Baoukina, H.I. Ingólfsson, and S.J. Marrink. <i>Computer Physics Communications</i> , 2018, 228, 146-151.	3.0	3
5	Anomeric memory of the glycosidic bond upon fragmentation and its consequences for carbohydrate sequencing. <i>Nature Communications</i> , 2017, 8, 973.	5.8	103
6	Molecular electrometer and binding of cations to phospholipid bilayers. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 32560-32569.	1.3	78
7	Optical properties of prodigiosin and obatoxacin: action spectroscopy and theoretical calculations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25946-25955.	1.3	15
8	Mixed Mechanism of Lubrication by Lipid Bilayer Stacks. <i>Langmuir</i> , 2015, 31, 12197-12202.	1.6	18
9	Toward Atomistic Resolution Structure of Phosphatidylcholine Headgroup and Glycerol Backbone at Different Ambient Conditions. <i>Journal of Physical Chemistry B</i> , 2015, 119, 15075-15088.	1.2	109
10	Multi-scale modeling of mycosubtilin lipopeptides at the air/water interface: structure and optical second harmonic generation. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 2136-2148.	1.3	7
11	Interleaflet sliding in lipidic bilayers under shear flow: comparison of the gel and fluid phases using reversed non-equilibrium molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 2154-2166.	1.3	10
12	Influence of the tyrosine environment on the second harmonic generation of iturinic antimicrobial lipopeptides at the air–water interface. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 19919.	1.3	11
13	Optical Properties of a Visible Push–Pull Chromophore Covalently Bound to Carbohydrates: Solution and Gas-Phase Spectroscopy Combined to Theoretical Investigations. <i>Journal of Physical Chemistry B</i> , 2012, 116, 841-851.	1.2	5
14	Nonlinear optical response of the collagen triple helix and second harmonic microscopy of collagen liquid crystals. , 2010, , .		0
15	, the antibonding-sister of ?. <i>Solid State Communications</i> , 2010, 150, 2076-2079.	0.9	3
16	Additive Model for the Second Harmonic Generation Hyperpolarizability Applied to a Collagen-Mimicking Peptide (Pro-Pro-Gly) ₁₀ . <i>Journal of Physical Chemistry A</i> , 2010, 114, 7769-7779.	1.1	24
17	Induced change of the Eu valence state in EuPd		

#	ARTICLE	IF	CITATIONS
19	Microsolvation Effects on the Optical Properties of Crystal Violet. Chemistry - A European Journal, 2008, 14, 7351-7357.	1.7	26
20	Helimagnetism and weak ferromagnetism in NaCu ₂ O ₂ and related frustrated chain cuprates. Journal of Physics Condensed Matter, 2007, 19, 145230.	0.7	18
21	Electronic structures of intermetallic borides RPd ₃ Bx (R=rare-earth metals). Physical Review B, 2007, 75, .	1.1	18
22	Helimagnetism and weak ferromagnetism in edge-shared chain cuprates. Journal of Magnetism and Magnetic Materials, 2007, 316, 306-312.	1.0	48
23	Quasi-one-dimensional S = 1/2 magnet Pb[Cu(SO ₄)(OH) ₂]: frustration due to competing in-chain exchange. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 220-224.	0.8	22
24	Fluctuations and defects in lamellar stacks of amphiphilic bilayers. Computer Physics Communications, 2005, 169, 99-103.	3.0	6
25	Pores in bilayer membranes of amphiphilic molecules: Coarse-grained molecular dynamics simulations compared with simple mesoscopic models. Journal of Chemical Physics, 2004, 121, 1890-1900.	1.2	40
26	Thermal fluctuations in a lamellar phase of a binary amphiphile-solvent mixture: A molecular-dynamics study. Journal of Chemical Physics, 2003, 119, 13138-13148.	1.2	35
27	New insights into the structural and dynamics properties of collagen model peptides using CD spectroscopy, MD simulations and innovative NMR approaches. , 0, , .		0