AndrÃ© Farias de Moura

List of Publications by Year
in descending order

31 papers	2,014 citations	623188 14 h-index	500791 28 g-index
33 all docs	33 docs citations	33 times ranked	2293 citing authors

#	Article	IF	Citations
1	Chiral Inorganic Nanostructures. Chemical Reviews, 2017, 117, 8041-8093.	23.0	656
2	Enantiomer-dependent immunological response to chiral nanoparticles. Nature, 2022, 601, 366-373.	13.7	243
3	Chiromagnetic nanoparticles and gels. Science, 2018, 359, 309-314.	6.0	201
4	Site-selective photoinduced cleavage and profiling of DNA by chiral semiconductor nanoparticles. Nature Chemistry, 2018, 10, 821-830.	6.6	189
5	Emergence of complexity in hierarchically organized chiral particles. Science, 2020, 368, 642-648.	6.0	179
6	Enhanced optical asymmetry in supramolecular chiroplasmonic assemblies with long-range order. Science, 2021, 371, 1368-1374.	6.0	168
7	Polarization-sensitive optoionic membranes from chiral plasmonic nanoparticles. Nature Nanotechnology, 2022, 17, 408-416.	15.6	83
8	Chiral phonons in microcrystals and nanofibrils of biomolecules. Nature Photonics, 2022, 16, 366-373.	15.6	46
9	Nanocrystals self-assembled in superlattices directed by the solventâ€“organic capping interaction. Nanoscale, 2013, 5, 5602-5610.	2.8	28
10	Graphitic carbon nitrides as platforms for single-atom photocatalysis. Faraday Discussions, 2021, 227, 306-320.	1.6	25
11	Molecular dynamics simulation of the sodium octanoate micelle in aqueous solution. Chemical Physics Letters, 2005, 411, 474-478.	1.2	22
12	Aggregation Thermodynamics of Sodium Octanoate Micelles Studied by Means of Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2013, 117, 7324-7334.	1.2	20
13	Molecular Dynamics simulation of the sodium octanoate micelle in aqueous solution: comparison of force field parameters and molecular topology effects on the micellar structure. Brazilian Journal of Physics, 2004, 34, 64-72.	0.7	16
14	Surface Electrostatic Potential and Water Orientation in the presence of Sodium Octanoate Dilute Monolayers Studied by Means of Molecular Dynamics Simulations. Langmuir, 2015, 31, 10995-11004.	1.6	16
15	Antimonyâ€Doped Tin Oxide Nanocrystals: Synthesis and Solubility Behavior in Organic Solvents. ChemPhysChem, 2009, 10, 841-846.	1.0	15
16	Investigating the spontaneous formation of SDS micelle in aqueous solution using a coarse-grained force field. Química Nova, 2012, 35, 978-981.	0.3	14
17	Selfâ€Assembled Gold Arrays That Allow Rectification by Nanoscale Selectivity. Angewandte Chemie - International Edition, 2019, 58, 17418-17424.	7.2	14
18	Thermodynamic insights into the self-assembly of capped nanoparticles using molecular dynamic simulations. Physical Chemistry Chemical Physics, 2015, 17, 3820-3831.	1.3	13

#	Article	IF	Citations
19	Solvation of Sodium Octanoate Micelles in Concentrated Urea Solution Studied by Means of Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2011, 115, 14582-14590.	1.2	12
20	Molecular Dynamics Simulation of a Perylene-Derivative Langmuir Film. Journal of Physical Chemistry B, 2005, 109, 4032-4041.	1.2	10
21	Optical anisotropy and sign reversal in layer-by-layer assembled films from chiral nanoparticles. Faraday Discussions, 2016, 191, 141-157.	1.6	9
22	AnÃ¡lise de imagem em quÃmica analÃtica: empregando metodologias simples e didÃ¡ticas para entender e prevenir o escurecimento de tecidos vegetais. Quimica Nova, 2005, 28, 548-554.	0.3	8
23	A mechanism for the stabilization of the secondary structure of a peptide by liquid ethylene glycol and its aqueous solutions. Computational and Theoretical Chemistry, 2007, 808, 93-96.	1.5	8
24	Revisiting the internal conformational dynamics and solvation properties of cyclodextrins. Journal of the Brazilian Chemical Society, 2007, 18, 951-961.	0.6	8
25	Two different pathways for assembling bis-urea in benzene and toluene. Journal of Molecular Modeling, 2018, 24, 154.	0.8	3
26	Electrostatic potential and counterion partition between flat and spherical interfaces. Journal of Chemical Physics, 2019, 150, 074704.	1.2	3
27	Solvent Effect on the Regulation of Urea Hydrolysis Reactions by Copper Complexes. Chemistry, 2020, 2, 525-544.	0.9	2
28	A inovaÃ§Ã£o tecnolÃ³gica e o avanÃ§o cientÃfico: a quÃmica em perspectiva<A NAME="top1"></A>. Quimica Nova, 2000, 23, 851-853.	0.3	1
29	Chiral recognition of liquid phase dimers from gamma-valerolactone racemic mixture. Journal of Molecular Modeling, 2018, 24, 215.	0.8	1
30	Bulkiness as a design element to increase the rigidity and macrodipole of supramolecular polymers. Journal of Molecular Liquids, 2019, 286, 110937.	2.3	0
31	10.1063/1.5078686.1. , 2019, , .		0