

Nicolas R De Souza

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Improved flame-retardant properties of polydimethylsiloxane/multi-walled carbon nanotube nanocomposites. <i>Journal of Materials Science</i> , 2021, 56, 2192-2211.	3.7	18
2	Neutron scattering quantification of unfrozen pore water in frozen mud. <i>Microporous and Mesoporous Materials</i> , 2021, 324, 111267.	4.4	7
3	Investigations of structural and dynamical mechanisms of ice formation regulated by graphene oxide nanosheets. <i>Structural Dynamics</i> , 2021, 8, 054901.	2.3	5
4	Structure and Dynamics in Mg ²⁺ -Stabilized $\hat{1}^3$ -Na ₃ PO ₄ . <i>Journal of the American Chemical Society</i> , 2021, 143, 17079-17089.	13.7	4
5	Insights into the Fast Sodium Conductor NASICON and the Effects of Mg ²⁺ Doping on Na ⁺ Conductivity. <i>Chemistry of Materials</i> , 2021, 33, 8768-8774.	6.7	5
6	Effect of red blood cell shape changes on haemoglobin interactions and dynamics: a neutron scattering study. <i>Royal Society Open Science</i> , 2020, 7, 201507.	2.4	6
7	PDMS/MWCNT nanocomposite films for underwater sound absorption applications. <i>Journal of Materials Science</i> , 2020, 55, 5048-5063.	3.7	27
8	Boson peak in ultrathin alumina layers investigated with neutron spectroscopy. <i>Physical Review Research</i> , 2020, 2, .	3.6	6
9	Time-Disordered Crystal Structure of AlPO ₄ -5. <i>Journal of Physical Chemistry C</i> , 2017, 121, 18762-18770.	3.1	4
10	EMU: High-Resolution Backscattering Spectrometer at ANSTO. <i>Neutron News</i> , 2016, 27, 20-21.	0.2	23
11	The free-energy barrier to hydride transfer across a dipalladium complex. <i>Faraday Discussions</i> , 2015, 177, 99-109.	3.2	6
12	Structure of Metallo-Supramolecular Micellar Gels. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1699-1709.	2.2	9
13	Polymer Dynamics in Nanochannels of Porous Silicon: A Neutron Spin Echo Study. <i>Macromolecules</i> , 2010, 43, 8162-8169.	4.8	32
14	Structure and dynamics of water confined in single-wall carbon nanotubes. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S2321-S2334.	1.8	22
15	Dynamics of water confined in single- and double-wall carbon nanotubes. <i>Journal of Chemical Physics</i> , 2006, 124, 194703.	3.0	117
16	The initial stages of the wearing process of thin polystyrene films studied by atomic force microscopy. <i>Nanotechnology</i> , 2005, 16, 1213-1220.	2.6	18
17	Molecular dynamics study of the hexane-water interface: Towards a better understanding of the liquid-liquid interfacial broadening. <i>Journal of Chemical Physics</i> , 2004, 120, 2464-2469.	3.0	53