

# Nicolas R De Souza

## List of Publications by Year in descending order

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17  
papers

362  
citations

1040056

9  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

552  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of water confined in single- and double-wall carbon nanotubes. <i>Journal of Chemical Physics</i> , 2006, 124, 194703.	3.0	117
2	Molecular dynamics study of then-hexaneâ€“water interface: Towards a better understanding of the liquidâ€“liquid interfacial broadening. <i>Journal of Chemical Physics</i> , 2004, 120, 2464-2469.	3.0	53
3	Polymer Dynamics in Nanochannels of Porous Silicon: A Neutron Spin Echo Study. <i>Macromolecules</i> , 2010, 43, 8162-8169.	4.8	32
4	PDMS/MWCNT nanocomposite films for underwater sound absorption applications. <i>Journal of Materials Science</i> , 2020, 55, 5048-5063.	3.7	27
5	EMU: High-Resolution Backscattering Spectrometer at ANSTO. <i>Neutron News</i> , 2016, 27, 20-21.	0.2	23
6	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
7	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
8	Improved flame-retardant properties of polydimethylsiloxane/multi-walled carbon nanotube nanocomposites. <i>Journal of Materials Science</i> , 2021, 56, 2192-2211.	3.7	18
9	Structure of Metalloâ€“Supramolecular Micellar Gels. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1699-1709.	2.2	9
10	Neutron scattering quantification of unfrozen pore water in frozen mud. <i>Microporous and Mesoporous Materials</i> , 2021, 324, 111267.	4.4	7
11	The free-energy barrier to hydride transfer across a dipalladium complex. <i>Faraday Discussions</i> , 2015, 177, 99-109.	3.2	6
12	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
13	Boson peak in ultrathin alumina layers investigated with neutron spectroscopy. <i>Physical Review Research</i> , 2020, 2, .	3.6	6
14	Investigations of structural and dynamical mechanisms of ice formation regulated by graphene oxide nanosheets. <i>Structural Dynamics</i> , 2021, 8, 054901.	2.3	5
15	Insights into the Fast Sodium Conductor NASICON and the Effects of Mg <sup>2+</sup> Doping on Na <sup>+</sup> Conductivity. <i>Chemistry of Materials</i> , 2021, 33, 8768-8774.	6.7	5
16	Time-Disordered Crystal Structure of AlPO <sub>4</sub> -5. <i>Journal of Physical Chemistry C</i> , 2017, 121, 18762-18770.	3.1	4
17	Structure and Dynamics in Mg <sup>2+</sup> -Stabilized Î³-Na <sub>3</sub> PO <sub>4</sub> . <i>Journal of the American Chemical Society</i> , 2021, 143, 17079-17089.	13.7	4