

Mark T F Telling

List of Publications by Year in descending order

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29
papers

678
citations

623734

14
h-index

552781

26
g-index

29
all docs

29
docs citations

29
times ranked

1135
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopic characteristics of the OSIRIS near-backscattering crystal analyser spectrometer on the ISIS pulsed neutron source. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 1255-1261.	2.8	116
2	Quasi-Elastic Neutron Scattering Studies on Clay Interlayer-Space Highlighting the Effect of the Cation in Confined Water Dynamics. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13982-13991.	3.1	87
3	Two-dimensional spin liquid behaviour in the triangular-honeycomb antiferromagnet TbInO ₃ . <i>Nature Physics</i> , 2019, 15, 262-268.	16.7	47
4	Supercooled Water in PVA Matrixes: I. An Incoherent Quasi-Elastic Neutron Scattering (QENS) Study. <i>Journal of Physical Chemistry B</i> , 2003, 107, 8363-8371.	2.6	39
5	Nano-scale hydrogen-bond network improves the durability of greener cements. <i>Scientific Reports</i> , 2013, 3, 2667.	3.3	37
6	A Unified Picture of the Local Dynamics of Poly(dimethylsiloxane) across the Melting Point. <i>Macromolecules</i> , 2003, 36, 8738-8748.	4.8	33
7	Structure and Dynamics of a Thermoresponsive Microgel around Its Volume Phase Transition Temperature. <i>Journal of Physical Chemistry B</i> , 2010, 114, 10285-10293.	2.6	29
8	How mobile are protons in the structure of dental glass ionomer cements?. <i>Scientific Reports</i> , 2015, 5, 8972.	3.3	27
9	Effect of tacticity on the local dynamics of polypropylene melts. <i>Journal of Chemical Physics</i> , 2003, 119, 1271-1278.	3.0	26
10	Pressure-dependent deuterium reaction pathways in the Li- ⁶ Li- ² D system. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2089.	2.8	26
11	Nanoscale Mobility of Aqueous Polyacrylic Acid in Dental Restorative Cements. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 9904-9915.	8.0	23
12	Polymer and Water Dynamics in Poly(vinyl alcohol)/Poly(methacrylate) Networks. A Molecular Dynamics Simulation and Incoherent Neutron Scattering Investigation. <i>Polymers</i> , 2011, 3, 1805-1832.	4.5	21
13	Crystal Structures and Glassy Phase Transition Behavior of Cyclohexene. <i>Crystal Growth and Design</i> , 2008, 8, 512-518.	3.0	20
14	Biodegradable dextran based microgels: a study on network associated water diffusion and enzymatic degradation. <i>Soft Matter</i> , 2012, 8, 2494.	2.7	19
15	Effect of Chain Length and Topological Constraints on Segmental Relaxation in Cyclic PDMS. <i>Macromolecules</i> , 2018, 51, 7209-7223.	4.8	14
16	In situ powder neutron diffraction study of non-stoichiometric phase formation during the hydrogenation of Li ₃ N. <i>Faraday Discussions</i> , 2011, 151, 263.	3.2	12
17	Lyophilised protein dynamics: more than just methyls?. <i>Soft Matter</i> , 2012, 8, 9529.	2.7	11
18	Prolate and Temperature-Responsive Self-Assemblies of Amphiphilic Random Copolymers with Perfluoroalkyl and Polyoxyethylene Side Chains in Solution. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800210.	2.2	11

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19	Materialization of a Geometrically Frustrated Magnet in a Hybrid Coordination Framework: A Study of the Iron(II) Oxalate Fluoride Framework, $\text{KFe}(\text{C}_2\text{O}_4)\text{F}$. <i>Inorganic Chemistry</i> , 2019, 58, 11971-11977.	4.0	11
20	Thermodynamic Investigation of n-Hexane Thin Films Adsorbed on Magnesium Oxide. <i>Langmuir</i> , 2006, 22, 7203-7207.	3.5	10
21	Molar Mass Dependence of Polyethylene Chain Dynamics. A Quasi-Elastic Neutron Scattering Investigation. <i>Macromolecules</i> , 2013, 46, 216-225.	4.8	9
22	Ammonia Storage in Hydrogen Bond-Rich Microporous Polymers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 58161-58169.	8.0	9
23	Fast and Slow Dynamics of Isotactic Polypropylene Melts. <i>Macromolecules</i> , 2008, 41, 1560-1564.	4.8	8
24	Anharmonic Behavior in the Multisubunit Protein Apoferritin as Revealed by Quasi-Elastic Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2008, 112, 10873-10878.	2.6	8
25	Thermal motion in the multi-subunit protein, apoferritin, as probed by high energy resolution neutron spectroscopy. <i>Soft Matter</i> , 2011, 7, 6934.	2.7	7
26	Stochastic molecular motions in the nematic, smectic-A, and solid phases of p,p'-di-n-heptyl-azoxybenzene as seen by quasielastic neutron scattering and ^{13}C cross-polarization magic-angle-spinning NMR. <i>Physical Review E</i> , 2006, 73, 051704.	2.1	6
27	Understanding the Temperature-Responsive Self-Assemblies of Amphiphilic Random Copolymers by SANS in D_2O Solution. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2000447.	2.2	6
28	Structure determination and phase transition behaviour of dimethyl sulfate. <i>Acta Crystallographica Section B: Structural Science</i> , 2006, 62, 280-286.	1.8	5
29	Thermoresponsive and Biodegradable Dextran Based Microgels: Synthesis and Structural Investigation. <i>Macromolecular Symposia</i> , 2013, 329, 27-34.	0.7	1