

Llew Rintoul

List of Publications by Year in descending order

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44
papers

2,809
citations

361413

20
h-index

265206

42
g-index

45
all docs

45
docs citations

45
times ranked

3590
citing authors

#	ARTICLE	IF	CITATIONS
1	Wastewater treatment plants as a pathway for microplastics: Development of a new approach to sample wastewater-based microplastics. <i>Water Research</i> , 2017, 112, 93-99.	11.3	849
2	Microplastic ingestion by scleractinian corals. <i>Marine Biology</i> , 2015, 162, 725-732.	1.5	417
3	Microplastic pollution in a stormwater floating treatment wetland: Detection of tyre particles in sediment. <i>Science of the Total Environment</i> , 2020, 713, 136356.	8.0	163
4	Abundance, distribution patterns, and identification of microplastics in Brisbane River sediments, Australia. <i>Science of the Total Environment</i> , 2020, 700, 134467.	8.0	162
5	Raman spectroscopic study of azurite and malachite at 298 and 77 K. <i>Journal of Raman Spectroscopy</i> , 2002, 33, 252-259.	2.5	159
6	Influential factors on microplastics occurrence in river sediments. <i>Science of the Total Environment</i> , 2020, 738, 139901.	8.0	94
7	Halogen Bonding between an Isoindoline Nitroxide and 1,4-Diiodotetrafluorobenzene: New Tools and Tectons for Self-Assembling Organic Spin Systems. <i>Chemistry - A European Journal</i> , 2009, 15, 4156-4164.	3.3	91
8	¹³ C-NMR, ¹ H-NMR, and FT-Raman study of radiation-induced modifications in radiation dosimetry polymer gels. <i>Journal of Applied Polymer Science</i> , 2001, 79, 1572-1581.	2.6	82
9	Dispersal and transport of microplastics in river sediments. <i>Environmental Pollution</i> , 2021, 279, 116884.	7.5	78
10	Radiation Dose Distribution in Polymer Gels by Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2003, 57, 51-57.	2.2	69
11	Calcite-filled borings in the most recently deposited skeleton in live-collected <i>Porites</i> (Scleractinia): Implications for trace element archives. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5423-5438.	3.9	65
12	The vibrational group frequency of the N=O stretching band of nitroxide stable free radicals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 713-717.	3.9	59
13	Application of attenuated total reflectance micro-Fourier transform infrared (ATR-FTIR) spectroscopy to the study of coal macerals: Examples from the Bowen Basin, Australia. <i>International Journal of Coal Geology</i> , 2007, 70, 87-94.	5.0	50
14	Keratin orientation in wool and feathers by polarized Raman spectroscopy. , 2000, 57, 19-28.		46
15	Cure Monitoring of Aerospace Epoxy Resins and Prepregs by Fourier Transform Infrared Emission Spectroscopy. <i>Polymer International</i> , 1996, 41, 169-182.	3.1	40
16	A systematic theoretical study of the electronic structures of porphyrin dimers: DFT and TD-DFT calculations on diporphyrins linked by ethane, ethene, ethyne, imine, and azo bridges. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18951.	2.8	38
17	Influence of microplastics on nutrients and metal concentrations in river sediments. <i>Environmental Pollution</i> , 2020, 263, 114490.	7.5	37
18	Vapour phase assembly of a halogen bonded complex of an isoindoline nitroxide and 1,2-diiodotetrafluorobenzene. <i>CrystEngComm</i> , 2011, 13, 5062.	2.6	26

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19	Nickel(II) <i>meso</i> -Hydroxy porphyrin Complexes Revisited: Palladium-Catalysed Synthesis, Electronic Structures of Derived Oxy Radicals, and Oxidative Coupling to a Dioxoporphodimethene Dyad. <i>Chemistry - A European Journal</i> , 2016, 22, 3430-3446.	3.3	26
20	Development and characterization of meropenem dry powder inhaler formulation for pulmonary drug delivery. <i>International Journal of Pharmaceutics</i> , 2020, 587, 119684.	5.2	24
21	The crystal structure and vibrational spectroscopy of jarosite and alunite minerals. <i>American Mineralogist</i> , 2013, 98, 1633-1643.	1.9	22
22	Preparation of Ibuprofen Microparticles by Antisolvent Precipitation Crystallization Technique: Characterization, Formulation, and In Vitro Performance. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 3060-3069.	3.3	22
23	Isostructural Co-crystals Derived from Molecules with Different Supramolecular Topologies. <i>Crystal Growth and Design</i> , 2014, 14, 6041-6047.	3.0	20
24	Aberrant activation of Wnt signaling pathway altered osteocyte mineralization. <i>Bone</i> , 2019, 127, 324-333.	2.9	20
25	The thermal decomposition of hydronium jarosite and ammoniojarosite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 101-109.	3.6	19
26	Monitoring of Cure and Water Uptake in a Freeformed Epoxy Resin by an Embedded Optical Fiber. <i>Chemistry of Materials</i> , 1996, 8, 1298-1301.	6.7	18
27	Raman microspectroscopic mapping: a tool for the characterisation of polymer surfaces. <i>Macromolecular Symposia</i> , 2002, 184, 287-298.	0.7	16
28	The vibrational spectrum of the stable free radical 1,1,3,3-tetramethylisoindolin-2-yloxy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 63, 398-402.	3.9	11
29	Excipient Interactions in Glucagon Dry Powder Inhaler Formulation for Pulmonary Delivery. <i>Pharmaceutics</i> , 2019, 11, 207.	4.5	11
30	A spectroscopic study of thalassemic gallstones. <i>Biospectroscopy</i> , 1997, 3, 409-416.	0.6	10
31	Single-crystal Raman spectroscopy of natural finnemanite and comparison with its synthesised analogue. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 2119-2125.	2.5	8
32	Single-crystal Raman spectroscopy of natural leiteite (ZnAs ₂ O ₄) and comparison with the synthesised mineral. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 659-666.	2.5	7
33	Single-crystal Raman spectroscopy of natural paulmooreite Pb ₂ As ₂ O ₅ in comparison with the synthesized analog. <i>American Mineralogist</i> , 2012, 97, 143-149.	1.9	7
34	Low-temperature Raman spectra of polycrystalline NH ₄ F and ND ₄ F. <i>Journal of Raman Spectroscopy</i> , 2001, 32, 219-226.	2.5	6
35	Single-crystal Raman spectroscopy of natural schafarzikite FeSb ₂ O ₄ from Pernek, Slovak Republic. <i>American Mineralogist</i> , 2011, 96, 888-894.	1.9	6
36	Location of hydrogen atoms in hydronium jarosite. <i>Physics and Chemistry of Minerals</i> , 2014, 41, 505-517.	0.8	6

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37	Experimental and Theoretical Characterization of 5,10-Diminoporphodimethenes: Dearomatized Porphyrinoids from Palladium-Catalyzed Hydrazinations of 5,10-Diarylporphyrins. ChemPlusChem, 2014, 79, 813-824.	2.8	5
38	Puerarin dry powder inhaler formulations for pulmonary delivery: Development and characterization. PLoS ONE, 2021, 16, e0249683.	2.5	5
39	Raman and infrared spectra of solid 2,3-dimethylbutyne. Journal of Raman Spectroscopy, 1998, 29, 791-798.	2.5	4
40	High-resolution hyperspectral imaging of diagenesis and clays in fossil coral reef material: a nondestructive tool for improving environmental and climate reconstructions. Geochemistry, Geophysics, Geosystems, 2017, 18, 3209-3230.	2.5	4
41	Fluorinated-plasma modification of polyetherimide films. Journal of Applied Polymer Science, 2006, 100, 3579-3588.	2.6	3
42	Encapsulation of nanoparticles into single-crystal ZnO nanorods and microrods. Beilstein Journal of Nanotechnology, 2014, 5, 485-493.	2.8	3
43	The unintentional excitation of surface phonon polaritons in ATR-FTIR spectra of geological samples. Vibrational Spectroscopy, 2020, 107, 103043.	2.2	1
44	Experimental and Theoretical Characterization of 5,10-Diminoporphodimethenes: Dearomatized Porphyrinoids from Palladium-Catalyzed Hydrazinations of 5,10-Diarylporphyrins. ChemPlusChem, 2014, 79, 752-752.	2.8	0