Llew Rintoul

List of Publications by Year
in descending order

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	Puerarin dry powder inhaler formulations for pulmonary delivery: Development and characterization. PLoS ONE, 2021, 16, e0249683.	2.5	5
2	Dispersal and transport of microplastics in river sediments. Environmental Pollution, 2021, 279, 116884.	7.5	78
3	Abundance, distribution patterns, and identification of microplastics in Brisbane River sediments, Australia. Science of the Total Environment, 2020, 700, 134467.	8.0	162
4	Microplastic pollution in a stormwater floating treatment wetland: Detection of tyre particles in sediment. Science of the Total Environment, 2020, 713, 136356.	8.0	163
5	Development and characterization of meropenem dry powder inhaler formulation for pulmonary drug delivery. International Journal of Pharmaceutics, 2020, 587, 119684.	5.2	24
6	Influential factors on microplastics occurrence in river sediments. Science of the Total Environment, 2020, 738, 139901.	8.0	94
7	Influence of microplastics on nutrients and metal concentrations in river sediments. Environmental Pollution, 2020, 263, 114490.	7.5	37
8	The unintentional excitation of surface phonon polaritons in ATR-FTIR spectra of geological samples. Vibrational Spectroscopy, 2020, 107, 103043.	2.2	1
9	Aberrant activation of Wnt signaling pathway altered osteocyte mineralization. Bone, 2019, 127, 324-333.	2.9	20
10	Excipient Interactions in Glucagon Dry Powder Inhaler Formulation for Pulmonary Delivery. Pharmaceutics, 2019, 11, 207.	4.5	11
11	Preparation of Ibuprofen Microparticles by Antisolvent Precipitation Crystallization Technique: Characterization, Formulation, and InÂVitro Performance. Journal of Pharmaceutical Sciences, 2018, 107, 3060-3069.	3.3	22
12	Wastewater treatment plants as a pathway for microplastics: Development of a new approach to sample wastewater-based microplastics. Water Research, 2017, 112, 93-99.	11.3	849
13	Highâ€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
14	Nickel(II) mesoâ€Hydroxyporphyrin Complexes Revisited: Palladiumâ€Catalysed Synthesis, Electronic Structures of Derived Oxy Radicals, and Oxidative Coupling to a Dioxoporphodimethene Dyad. Chemistry - A European Journal, 2016, 22, 3430-3446.	3.3	26
15	Microplastic ingestion by scleractinian corals. Marine Biology, 2015, 162, 725-732.	1.5	417
16	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
17	Experimental and Theoretical Characterization of 5,10â€Diminoporphodimethenes: Dearomatized Porphyrinoids from Palladiumâ€Catalyzed Hydrazinations of 5,10â€Diarylporphyrins. ChemPlusChem, 2014, 79, 813-824.	2.8	5
18	The thermal decomposition of hydronium jarosite and ammoniojarosite. Journal of Thermal Analysis and Calorimetry, 2014, 115, 101-109.	3.6	19

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19	Isostructural Co-crystals Derived from Molecules with Different Supramolecular Topologies. Crystal Growth and Design, 2014, 14, 6041-6047.	3.0	20
20	Location of hydrogen atoms in hydronium jarosite. Physics and Chemistry of Minerals, 2014, 41, 505-517.	0.8	6
21	Encapsulation of nanoparticles into single-crystal ZnO nanorods and microrods. Beilstein Journal of Nanotechnology, 2014, 5, 485-493.	2.8	3
22	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. Physical Chemistry Chemical Physics, 2013, 15, 18951.	2.8	38
23	The crystal structure and vibrational spectroscopy of jarosite and alunite minerals. American Mineralogist, 2013, 98, 1633-1643.	1.9	22
24	Single-crystal Raman spectroscopy of natural paulmooreite Pb2As2O5 in comparison with the synthesized analog. American Mineralogist, 2012, 97, 143-149.	1.9	7
25	Vapour phase assembly of a halogen bonded complex of an isoindoline nitroxide and 1,2-diiodotetrafluorobenzene. CrystEngComm, 2011, 13, 5062.	2.6	26
26	Single-crystal Raman spectroscopy of natural schafarzikite FeSb2O4 from Pernek, Slovak Republic. American Mineralogist, 2011, 96, 888-894.	1.9	6
27	Singleâ€crystal Raman spectroscopy of natural leiteite (ZnAs₂O₄) and comparison with the synthesised mineral. Journal of Raman Spectroscopy, 2011, 42, 659-666.	2.5	7
28	Single-crystal Raman spectroscopy of natural finnemanite and comparison with its synthesised analogue. Journal of Raman Spectroscopy, 2011, 42, 2119-2125.	2.5	8
29	Halogen Bonding between an Isoindoline Nitroxide and 1,4â€Diiodotetrafluorobenzene: New Tools and Tectons for Selfâ€Assembling Organic Spin Systems. Chemistry - A European Journal, 2009, 15, 4156-4164.	3.3	91
30	The vibrational group frequency of the Nâ€“O stretching band of nitroxide stable free radicals. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 70, 713-717.	3.9	59
31	Calcite-filled borings in the most recently deposited skeleton in live-collected Porites (Scleractinia): Implications for trace element archives. Geochimica Et Cosmochimica Acta, 2007, 71, 5423-5438.	3.9	65
32	Application of attenuated total reflectance micro-Fourier transform infrared (ATR-FTIR) spectroscopy to the study of coal macerals: Examples from the Bowen Basin, Australia. International Journal of Coal Geology, 2007, 70, 87-94.	5.0	50
33	The vibrational spectrum of the stable free radical 1,1,3,3-tetramethylisoindolin-2-yloxyl. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 63, 398-402.	3.9	11
34	Fluorinated-plasma modification of polyetherimide films. Journal of Applied Polymer Science, 2006, 100, 3579-3588.	2.6	3
35	Radiation Dose Distribution in Polymer Gels by Raman Spectroscopy. Applied Spectroscopy, 2003, 57, 51-57.	2.2	69
36	Raman microspectroscopic mapping: a tool for the characterisation of polymer surfaces. Macromolecular Symposia, 2002, 184, 287-298.	0.7	16

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37	Raman spectroscopic study of azurite and malachite at 298 and 77 K. Journal of Raman Spectroscopy, 2002, 33, 252-259.	2.5	159
38	Low-temperature Raman spectra of polycrystalline NH4F and ND4F. Journal of Raman Spectroscopy, 2001, 32, 219-226.	2.5	6
39	13C-NMR,1H-NMR, and FT-Raman study of radiation-induced modifications in radiation dosimetry polymer gels. Journal of Applied Polymer Science, 2001, 79, 1572-1581.	2.6	82
40	Keratin orientation in wool and feathers by polarized Raman spectroscopy. , 2000, 57, 19-28.		46
41	Raman and infrared spectra of solid 2,3-dimethylbutyne. Journal of Raman Spectroscopy, 1998, 29, 791-798.	2.5	4
42	A spectroscopic study of thalassemic gallstones. Biospectroscopy, 1997, 3, 409-416.	0.6	10
43	Monitoring of Cure and Water Uptake in a Freeformed Epoxy Resin by an Embedded Optical Fiber. Chemistry of Materials, 1996, 8, 1298-1301.	6.7	18
44	Cure Monitoring of Aerospace Epoxy Resins and Prepregs by Fourier Transform Infrared Emission Spectroscopy. Polymer International, 1996, 41, 169-182.	3.1	40