

# Lyall R Hanton

## List of Publications by Year in descending order

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67  
papers

2,079  
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257450

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docs citations

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times ranked

2719  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation, Properties and Cell Biocompatibility of Room Temperature LCST-Hydrogels Based on Thermoresponsive PEO Stars. <i>Gels</i> , 2021, 7, 84.	4.5	2
2	The effect of chemical and structural modifiers on the haemostatic process and cytotoxicity of the beta-chitin patch. <i>Scientific Reports</i> , 2021, 11, 18577.	3.3	0
3	Subtle Influences of a Flexible Tecton on an $R_{22}(8)$ Carboxyl Dimer Synthon: From Molecular Threading to 2D $\rightarrow$ 3D Interpenetration. <i>Crystal Growth and Design</i> , 2020, 20, 7805-7821.	3.0	9
4	Formation of a robust, double-walled LiMOF from an L-shaped di-substituted N-heterocyclic adamantane-based ligand. <i>Dalton Transactions</i> , 2020, 49, 12009-12017.	3.3	7
5	Tough polymeric hydrogels using ion-pair comonomers. <i>Soft Matter</i> , 2020, 16, 2715-2724.	2.7	4
6	Gel actuators based on polymeric radicals. <i>RSC Advances</i> , 2019, 9, 33187-33192.	3.6	2
7	A Design Strategy for Single-Stranded Helicates using Pyridine-Hydrazone Ligands and $Pb_{II}$ . <i>Chemistry - an Asian Journal</i> , 2019, 14, 1184-1193.	3.3	6
8	The structure and Hirshfeld surface analysis of the salt 3-methacrylamido-N,N,N-trimethylpropan-1-aminium 2-acrylamido-2-methylpropane-1-sulfonate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 1445-1451.	0.5	1
9	Structure and Hirshfeld surface analysis of the salt N,N,N-trimethyl-1-(4-vinylphenyl)methanaminium 4-vinylbenzenesulfonate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 946-950.	0.5	1
10	Silver(I) complexes of 2,6-bis(4-pyridylsulfenyl)pyrazine: Interplay of anion coordination and argentophilic interactions. <i>Inorganic Chemistry Communication</i> , 2018, 87, 44-48.	3.9	12
11	The efficacy of a novel budesonide chitosan gel on wound healing following endoscopic sinus surgery. <i>International Forum of Allergy and Rhinology</i> , 2018, 8, 435-443.	2.8	16
12	A mechanically strengthened polyacrylamide gel matrix fully compatible with electrophoresis of proteins and nucleic acids. <i>Electrophoresis</i> , 2018, 39, 824-832.	2.4	3
13	Orientation of AgI Ions in Coordination Architectures through Ligand Conformation and Anion Binding: from Polymeric Chains to Discrete Squares. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 4278-4285.	2.0	1
14	Hyperelastic Tough Gels through Macrocrosslinking. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700103.	3.9	13
15	Non-interpenetrated Cu-based MOF constructed from a rediscovered tetrahedral ligand. <i>CrystEngComm</i> , 2017, 19, 7236-7243.	2.6	10
16	Crystal structures of the polymer precursors 3-(2,5-dimethoxy-3,4,6-trimethylphenyl)propyl methacrylate and 3-(2,4,5-trimethyl-3,6-dioxocyclohexa-1,4-dienyl)propyl methacrylate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 658-663.	0.5	2
17	Antimicrobial Properties of Tris(homoleptic) Ruthenium(II) 2-Pyridyl-1,2,3-triazole $\rightarrow$ Click-Complexes against Pathogenic Bacteria, Including Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA). <i>Inorganic Chemistry</i> , 2016, 55, 9767-9777.	4.0	68
18	Cyclodextrin-polyhydrazine degradable gels for hydrophobic drug delivery. <i>Materials Science and Engineering C</i> , 2016, 69, 144-153.	7.3	35

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19	Synthesis of Diamondoid and Lonsdaleite Networks from the Same Ag(I) Ligand Combination, with Lonsdaleite the Softer Network. <i>Crystal Growth and Design</i> , 2016, 16, 1038-1046.	3.0	14
20	Strong poly(ethylene oxide) based gel adhesives via oxime cross-linking. <i>Acta Biomaterialia</i> , 2016, 29, 206-214.	8.3	31
21	Reducing the Oxidation Level of Dextran Aldehyde in a Chitosan/Dextran-Based Surgical Hydrogel Increases Biocompatibility and Decreases Antimicrobial Efficacy. <i>International Journal of Molecular Sciences</i> , 2015, 16, 13798-13814.	4.1	28
22	Structural control in Cu(II) coordination polymers through the conformational flexibility of a 2,3-dipyridyl ketone oxime ligand. <i>Supramolecular Chemistry</i> , 2015, 27, 820-828.	1.2	3
23	Characterization of the <i>in vivo</i> host response to a biolabeled chitosan-dextran based hydrogel for postsurgical adhesion prevention. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 2611-2620.	4.0	14
24	Synthesis of triphenylphosphonium vitamin E derivatives as mitochondria-targeted antioxidants. <i>Tetrahedron</i> , 2015, 71, 8444-8453.	1.9	32
25	Structure and packing of aminoxyl and piperidinyl acrylamide monomers. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2015, 71, 860-866.	0.5	2
26	<i>In vitro</i> biocompatibility and cellular interactions of a chitosan/dextran-based hydrogel for postsurgical adhesion prevention. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015, 103, 332-341.	3.4	31
27	Crystal structures of two bis(iodomethyl)benzene derivatives: similarities and differences in the crystal packing. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, 1505-1509.	0.5	1
28	Crystal structure of 4-(prop-2-ynoxy)-2,2,6,6-tetramethylpiperidin-1-oxyl. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, 130-133.	0.2	4
29	Use of the oxime oximate binding mode to stabilise mixed valence copper iodide polymer networks using dipyrindyl ketone oxime ligands. <i>CrystEngComm</i> , 2014, 16, 6345-6353.	2.6	12
30	Effect of anion on Ag( <i>meso</i> -helical chains formed with 4,4'-dipyridyl ketone: solvent versus anion bridging and anion effects on the strength of ligand binding. <i>CrystEngComm</i> , 2014, 16, 4587-4601.	2.6	16
31	The one pot synthesis of heterobimetallic complexes from a homoditopic pyrimidine-hydrazone ligand. <i>RSC Advances</i> , 2014, 4, 14550-14556.	3.6	8
32	Tetratopic pyrimidine-hydrazone ligands modified with terminal hydroxymethyl and acryloyl arms and their Pb, Zn, Cu and Ag complexes. <i>Dalton Transactions</i> , 2014, 43, 8205-8218.	3.3	9
33	Synthesis, physicochemical characterization, and biocompatibility of a chitosan/dextran-based hydrogel for postsurgical adhesion prevention. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 2743-2756.	3.6	46
34	Metal-Induced Isomerization of a Molecular Strand Containing Contradictory Dynamic Coordination Sites. <i>Inorganic Chemistry</i> , 2014, 53, 2122-2132.	4.0	13
35	Triflate anion and ligand influences in silver(I) coordination polymers of four isomeric dipyrindyl ketone oximes. <i>CrystEngComm</i> , 2013, 15, 120-134.	2.6	23
36	Linear electrochemical actuators with very large strains using carbon nanotube-redox gel composites. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3415.	10.3	24

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37	Influence of Terminal Acryloyl Arms on the Coordination Chemistry of a Ditopic Pyrimidine- $\alpha$ -Hydrazone Ligand: Comparison of Pb(II), Zn(II), Cu(II), and Ag(I) Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 2716-2728.	4.0	23
38	A blinded randomized controlled trial evaluating the efficacy of chitosan gel on ostial stenosis following endoscopic sinus surgery. <i>International Forum of Allergy and Rhinology</i> , 2013, 3, 573-580.	2.8	33
39	Antimicrobial Properties of a Chitosan Dextran-Based Hydrogel for Surgical Use. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 280-287.	3.2	121
40	Pre-organisation or a hydrogen bonding mismatch: silver(I) diamide ligand coordination polymers versus discrete metallo-macrocylic assemblies. <i>Supramolecular Chemistry</i> , 2012, 24, 627-640.	1.2	8
41	4,5-Dihydrocyclopenta[b]thiophen-6-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o371-o372.	0.2	1
42	Probing CH- $\pi$ (alkyne) interactions in a series of ethynylferrocenes. <i>CrystEngComm</i> , 2012, 14, 4369.	2.6	13
43	Sensitivity of Silver(I) Complexes of a Pyrimidine- $\alpha$ -Hydrazone Ligand to Solvent, Counteranion, and Metal-to-Ligand Ratio Changes. <i>Inorganic Chemistry</i> , 2012, 51, 5070-5081.	4.0	49
44	Metal Ion-Controlled Self-Assembly Using Pyrimidine Hydrazone Molecular Strands with Terminal Hydroxymethyl Groups: A Comparison of Pb(II) and Zn(II) Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 7637-7649.	4.0	22
45	The Efficacy of a Novel Chitosan Gel on Hemostasis and Wound Healing after Endoscopic Sinus Surgery. <i>American Journal of Rhinology and Allergy</i> , 2010, 24, 70-75.	2.0	111
46	A one pot multi-component CuAAC $\alpha$ -click approach to bidentate and tridentate pyridyl-1,2,3-triazole ligands: Synthesis, X-ray structures and copper(II) and silver(I) complexes. <i>Polyhedron</i> , 2010, 29, 70-83.	2.2	159
47	<i>N</i> -Methacryloyl-4-(piperidin-1-yl)-1,8-naphthalimide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o1476-o1477.	0.2	4
48	Control of Self-Assembly through the Influence of Terminal Hydroxymethyl Groups on the Metal Coordination of Pyrimidine- $\alpha$ -Hydrazone Cu(II) Complexes. <i>Inorganic Chemistry</i> , 2010, 49, 5923-5934.	4.0	28
49	Synthesis and characterisation of chitosan-graft-poly(OEGMA) copolymers prepared by ATRP. <i>Carbohydrate Polymers</i> , 2009, 77, 496-505.	10.2	41
50	2-D Coordination Polymers of Hexa(4-cyanophenyl)[3]-radialene and Silver(I): Anion- $\pi$ -Interactions and Radialene C $\pi$ -H $\cdots$ A $\cdots$ A $\cdots$ Anion Hydrogen Bonds in the Solid-State Interactions of Hexaaryl[3]-radialenes with Anions. <i>Crystal Growth and Design</i> , 2009, 9, 2911-2916.	3.0	36
51	2-Methyl-4,6-bis(1-methylhydrazino)pyrimidine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o1546-o1546.	0.2	4
52	Square planar silver(I) complexes: A rare but increasingly observed stereochemistry for silver(I). <i>Coordination Chemistry Reviews</i> , 2008, 252, 1346-1386.	18.8	209
53	Synthesis and characterisation of fluorescent chitosan derivatives containing substituted naphthalimides. <i>Reactive and Functional Polymers</i> , 2008, 68, 671-678.	4.1	15
54	An Atypical Network: $\alpha$ Noninterpenetrating (10,3)-d Nets Using an Unsymmetrical Flexible Ligand and Ag(I) as Three-Connected Nodes. <i>Crystal Growth and Design</i> , 2007, 7, 1868-1871.	3.0	23

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55	Square-Planar Silver(I)-Containing Polymers Formed from $\pi$ -Stacked Entities. <i>Crystal Growth and Design</i> , 2006, 6, 833-835.	3.0	21
56	Structural Diversity in One-dimensional Coordination Polymers of a Flexible Multimodal Ligand. <i>Supramolecular Chemistry</i> , 2005, 17, 557-565.	1.2	3
57	Molecular rectangles from metallomacrocycles: development of dibenzofuran ligands. <i>Dalton Transactions</i> , 2003, , 1754-1758.	3.3	46
58	Banded ribbons of Cu <sub>6</sub> I <sub>6</sub> hexamers and multimodal thioether pyrazine ligands linked by self-complementary N $\pi$ -H $\pi$ -C synthons. <i>Dalton Transactions</i> , 2003, , 1056-1058.	3.3	55
59	Methyl group influence on the formation of CuI complexes with thio-pyridine ligands. <i>Dalton Transactions RSC</i> , 2002, , 1581-1585.	2.3	38
60	Probing copper halide supramolecular arrays of a ditopic ligand with complexes of a monotopic analogue. Dedicated to Barbara Duncan on the occasion of her retirement as Senior Teaching Fellow in Chemistry at the University of Otago, in acknowledgement of her contribution to our research activities. <i>Dalton Transactions RSC</i> , 2002, , 1574-1580.	2.3	32
61	Formation of a single-stranded silver(I) helical-coordination polymer containing $\pi$ -stacked planar chiral N <sub>4</sub> S <sub>2</sub> ligands. <i>Chemical Communications</i> , 2001, , 1098-1099.	4.1	99
62	Coordination polymers and isomerism; a study using silver(I) and a $\pi$ -stacked ligand. <i>Dalton Transactions RSC</i> , 2001, , 2749-2755.	2.3	50
63	Topological isomerism in coordination polymers. <i>Chemical Communications</i> , 2001, , 1432-1433.	4.1	213
64	Extension of a $\pi$ -stacked N <sub>2</sub> S ligand to form bi- and tri-nuclear silver(I) complexes. <i>Chemical Communications</i> , 2000, , 783-784.	4.1	21
65	The role of the metal connectors AgNO <sub>3</sub> , Cu <sub>2</sub> I <sub>2</sub> and CuCl <sub>2</sub> in co-ordination-polymer formation using the N <sub>2</sub> S <sub>2</sub> ditopic ligand 1,4-bis(2-pyridylmethylsulfanylmethyl)benzene. <i>Dalton Transactions RSC</i> , 2000, , 1161-1166.	2.3	61
66	Thiophene S-binding of a conformationally constrained thiophenophane leading to the formation of a copper(I) coordination polymer. <i>Chemical Communications</i> , 2000, , 2465-2466.	4.1	19
67	C-S Bond Cleavage by Chloride in a Thioether N <sub>2</sub> S <sub>2</sub> Complex of Platinum. <i>Inorganic Chemistry</i> , 1999, 38, 1634-1637.	4.0	18