

# Nathan R Halcovitch

## List of Publications by Year in descending order

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759233

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53

times ranked

865

citing authors

#	ARTICLE	IF	CITATIONS
1	A structural investigation of organic battery anode materials by NMR crystallography. <i>Magnetic Resonance in Chemistry</i> , 2022, 60, 489-503.	1.9	3
2	Crystalline azobenzene composites as photochemical phase-change materials. <i>New Journal of Chemistry</i> , 2022, 46, 4057-4061.	2.8	9
3	Efficient solid-state photoswitching of methoxyazobenzene in a metal-organic framework for thermal energy storage. <i>Chemical Science</i> , 2022, 13, 3014-3019.	7.4	11
4	Unified Approach to Diverse Fused Fragments via Catalytic Dehydrative Cyclization. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	3
5	Selective <i>ortho</i> -C-H Activation in Arenes without Functional Groups. <i>Journal of the American Chemical Society</i> , 2022, 144, 11564-11568.	13.7	7
6	Selective, radical-free activation of benzylic C-H bonds in methylarenes. <i>Chemical Communications</i> , 2021, 57, 7894-7897.	4.1	3
7	Solid-state nuclear magnetic resonance study of polymorphism in tris(8-hydroxyquinolate)aluminium. <i>Magnetic Resonance in Chemistry</i> , 2021, 59, 1024-1037.	1.9	2
8	Photochemical Oxidation of Pt(IV)Me <sub>3</sub> (1,2-diimine) Thiolates to Luminescent Pt(IV) Sulfinates. <i>Inorganic Chemistry</i> , 2021, 60, 7031-7043.	4.0	7
9	Effect of Transition Metal Substitution on the Flexibility and Thermal Properties of MOF-Based Solid-Solid Phase Change Materials. <i>Inorganic Chemistry</i> , 2021, 60, 12950-12960.	4.0	8
10	Silicon photosensitisation using molecular layers. <i>Faraday Discussions</i> , 2020, 222, 405-423.	3.2	5
11	Palladium-Catalyzed Synthesis of $\pm$ -Carbonyl- $\pm$ -(hetero)aryl Sulfoxonium Ylides: Scope and Insight into the Mechanism. <i>Journal of Organic Chemistry</i> , 2020, 85, 1126-1137.	3.2	17
12	Long-Term Solar Energy Storage under Ambient Conditions in a MOF-Based Solid-Solid Phase-Change Material. <i>Chemistry of Materials</i> , 2020, 32, 9925-9936.	6.7	33
13	Electroactive Silk Fibroin Films for Electrochemically Enhanced Delivery of Drugs. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000130.	3.6	14
14	Films Stoichiometry Effects on the Electronic Transport Properties of Solution-Processed Yttrium-Doped Indium-Zinc Oxide Crystalline Semiconductors for Thin Film Transistor Applications. <i>Advanced Electronic Materials</i> , 2020, 6, 1900976.	5.1	1
15	1,2-Dihydropyridazines as Versatile Synthetic Intermediates. <i>Synlett</i> , 2020, 31, 459-462.	1.8	0
16	Crystal and molecular structures of a binuclear mixed ligand complex of silver(I) with thiocyanate and 1 <i>H</i> -1,2,4-triazole-5(4 <i>H</i> -thione. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 42-47.	0.5	0
17	Crystal structure of bis[1/4<sub>2</sub>-(<sub>i</sub>N</i>,<sub>i</sub>N</i>)-diethylcarbamodithioato-<sub>i</sub>S</i>:<sub>i</sub>S</i>:<sub>i</sub>S</i>:<sub>i</sub>S</i>]-bis(triethylphosphine-<sub>2</sub>P</i>)-di-C<sub>22</sub>H<sub>50</sub>Ag<sub>2</sub>N<sub>2</sub>P<sub>2</sub>S<sub>4</sub>. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2020, 235, 1365-1368.	0.3	0
18	Crystal structure of bis[1/4<sub>2</sub>-(<sub>i</sub>pyrrolidine-1-carbodithioato-<sub>i</sub>S</i>:<sub>i</sub>S</i>:<sub>i</sub>S</i>:<sub>i</sub>S</i>]-bis(triethylphosphine-<sub>2</sub>P</i>)disilver(I), C<sub>22</sub>H<sub>46</sub>Ag<sub>2</sub>N<sub>2</sub>P<sub>2</sub>S<sub>4</sub>. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2020, 235, 1369-1371.	0.3	0

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19	4-Photocyclization of 1,2-Dihydropyridazines: An Approach to Bicyclic 1,2-Diazetidines with Rich Synthetic Potential. <i>Organic Letters</i> , 2019, 21, 9232-9235.	4.6	12
20	An efficient preparation of 1,2-dihydropyridazines through a Diels-Alder/palladium-catalysed elimination sequence. <i>Tetrahedron Letters</i> , 2019, 60, 1498-1500.	1.4	3
21	A Tripodal Ruthenium(II) Polypyridyl Complex with pH Controlled Emissive Quenching. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 110-117.	2.0	8
22	Investigation of structure and dynamics in a photochromic molecular crystal by NMR crystallography. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 230-242.	1.9	2
23	<i>&lt;math&gt;\langle i&gt;N&lt;/i&gt;, &lt;math&gt;\langle i&gt;N&lt;/i&gt;&lt;math&gt;\rangle^2&lt;/math&gt;-Bis(pyridin-4-ylmethyl)oxalamide benzene monosolvate: crystal structure, Hirshfeld surface analysis and computational study.</i> <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 1133-1139.	0.5	8
24	A new microwave-assisted, three-component reaction of 5-aminopyrazole-4-carboxylates: Selective synthesis of substituted 5-aza-9-deaza-adenines. <i>Tetrahedron</i> , 2018, 74, 1868-1879.	1.9	16
25	Self-assembly of singlet-emitting double-helical silver dimers: the curious coordination chemistry and fluorescence of bisquinoxolypyridone. <i>Dalton Transactions</i> , 2018, 47, 3906-3912.	3.3	3
26	Crystal structure of bis( $\text{C}_4\text{H}_8\text{Cu}_2\text{N}_2\text{P}_2\text{S}_4$ ) $\text{Zn}^{2+}$ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2018, 233, 507-509.	0.3	1
27	Crystal structure of bis( $\text{C}_4\text{H}_8\text{Cu}_2\text{N}_2\text{P}_2\text{S}_4$ ). <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2018, 233, 513-515.	0.3	2
28	Crystal structure of chlorido-methanol-( $\text{C}_4\text{H}_8\text{Cu}_2\text{N}_2\text{P}_2\text{S}_4$ ). <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2018, 233, 519-521.	0.3	2
29	Dichlorido( $\text{C}_6\text{H}_5\text{C}_2\text{H}_5$ )[tris(2-cyanoethyl)phosphine]ruthenium(II). <i>MolBank</i> , 2018, 2018, M1025.	0.5	1
30	Crystal structure of bis( $\text{C}_4\text{H}_8\text{Cu}_2\text{N}_2\text{P}_2\text{S}_4$ ). <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2018, 233, 485-487.	0.3	3
31	Crystal structure of 7-(4-methylphenyl)imidazo[1,2-a][1,3,5]triazin-4-amine, $\text{C}_{12}\text{H}_{11}\text{N}_5$ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2018, 233, 489-490.	0.3	0
32	Electrochemically Enhanced Drug Delivery Using Polypyrrole Films. <i>Materials</i> , 2018, 11, 1123.	2.9	58
33	Stepping down the dose of inhaled corticosteroids for adults with asthma. <i>The Cochrane Library</i> , 2017, 2, CD011802.	2.8	8
34	Selective Arene Cleavage by Direct Insertion of Iridium into the Aromatic Ring. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3266-3269.	13.8	26
35	<i>&lt;math&gt;\langle i&gt;fac&lt;/i&gt;-Acetonitriletricarbonyl(dimethylcarbamodithioato-<math>\text{C}_4\text{H}_8\text{Cu}_2\text{N}_2\text{P}_2\text{S}_4</math>)rhodium(I): crystal structure and Hirshfeld surface analysis.</i> <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 213-218.	0.5	2
36	Personalised asthma action plans for adults with asthma. <i>The Cochrane Library</i> , 2017, 2017, CD011859.	2.8	28

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37	Selective Arene Cleavage by Direct Insertion of Iridium into the Aromatic Ring. <i>Angewandte Chemie</i> , 2017, 129, 3314-3317.	2.0	10
38	Cross- $\alpha$ -Coupling of Carbonyl Sulfoxonium Ylides with C-H Bonds. <i>Angewandte Chemie</i> , 2017, 129, 13297-13301.	2.0	42
39	Cross- $\alpha$ -Coupling of Carbonyl Sulfoxonium Ylides with C-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13117-13121.	13.8	212
40	A multicomponent reaction of 2-aminoimidazoles: microwave-assisted synthesis of novel 5-aza-7-deaza-adenines. <i>RSC Advances</i> , 2017, 7, 51062-51068.	3.6	18
41	$\frac{1}{4}$ -Chlorido- $\frac{1}{4}$ -chlorido- $\frac{1}{4}$ -pyrrolidine-1-carbodithioato- $\frac{1}{4}$ -S <sup>2-</sup> crystal structure and Hirshfeld surface analysis. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 720-725.	0.5	3
42	$\text{N}^{\text{+}}\text{[1-(5-Bromo-2-hydroxyphenyl)ethylidene]} \text{isonicotinohydrazide monohydrate}$ : crystal structure and Hirshfeld surface analysis. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 630-636.	0.5	5
43	Secondary bonding in dimethylbis(morpholine-4-carbodithioato- $\frac{1}{2}$ -S <sup>2-</sup> )tin(IV): crystal structure and Hirshfeld surface analysis. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 842-848.	0.5	6
44	$\text{trans-Dichlorobis(dimethyl sulfoxide-O)} \text{bis(4-fluorobenzyl-C)} \text{Tj ETQqO O O rgBT /Overlock 10 Tf 50 467 Td (}$ E: Crystallographic Communications, 2017, 73, 667-672.	0.5	9
45	$\text{[N}^{\text{+}}\text{[4-Decyloxy-2-oxidobenzylidene]} \text{-3-hydroxy-2-naphthohydrazidato-}\frac{1}{2}\text{-S}^{\text{2-}}\text{]dimethyl}$ crystal structure and Hirshfeld surface analysis. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 390-396.	0.5	3
46	A triclinic polymorph of tricyclohexylphosphane sulfide: crystal structure and Hirshfeld surface analysis. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 493-499.	0.5	1
47	Iminoacyl Alkyl Complexes of Zirconium Supported by a Ferrocene-Linked Diphosphinoamide Ligand Scaffold. <i>Australian Journal of Chemistry</i> , 2016, 69, 555.	0.9	5
48	[N,N-Bis(2-hydroxyethyl)dithiocarbamato- $\frac{1}{2}$ S, S <sup>2-</sup> ]bis(triphenylphosphane- $\frac{1}{2}$ P)copper(I) chloroform monosolvate: crystal structure, Hirshfeld surface analysis and solution NMR measurements. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 1799-1805.	0.5	3
49	Arylspiroborates Derived from 4-tert-butylcatechol and 3,5-di-tert-butylcatechol and Their Antimicrobial Activities. <i>Journal of Heterocyclic Chemistry</i> , 2014, 51, 157-161.	2.6	8
50	Rhodium complexes containing arylspiroporates derived from 3,5-di-tert-butylcatechol and their use in catalyzed hydroborations. <i>Polyhedron</i> , 2013, 52, 1181-1189.	2.2	9
51	Synthesis of a Dinuclear Ferrocene-Linked Bis(phosphinoamide)scandium Hydride Complex. <i>Organometallics</i> , 2013, 32, 5705-5708.	2.3	19
52	Synthesis and molecular structure of a novel barium arylspiroporone ester. <i>Open Chemistry</i> , 2011, 9, 386-390.	1.9	1
53	Synthesis, characterization, and reactivity of a novel thallium arylspiroporone ester. <i>Canadian Journal of Chemistry</i> , 2009, 87, 139-145.	1.1	15