

# Nathan R Halcovitch

## List of Publications by Year in descending order

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53  
papers

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citations

759233

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580821

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Cross-Coupling of $\alpha$ -Carbonyl Sulfoxonium Ylides with C-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13117-13121.	13.8	212
2	Electrochemically Enhanced Drug Delivery Using Polypyrrole Films. <i>Materials</i> , 2018, 11, 1123.	2.9	58
3	Cross-Coupling of $\alpha$ -Carbonyl Sulfoxonium Ylides with C-H Bonds. <i>Angewandte Chemie</i> , 2017, 129, 13297-13301.	2.0	42
4	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
5	Personalised asthma action plans for adults with asthma. <i>The Cochrane Library</i> , 2017, 2017, CD011859.	2.8	28
6	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
7	Synthesis of a Dinuclear Ferrocene-Linked Bis(phosphinoamide)scandium Hydride Complex. <i>Organometallics</i> , 2013, 32, 5705-5708.	2.3	19
8	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
9	Palladium-Catalyzed Synthesis of $\alpha$ -Carbonyl- $\beta$ -(hetero)aryl Sulfoxonium Ylides: Scope and Insight into the Mechanism. <i>Journal of Organic Chemistry</i> , 2020, 85, 1126-1137.	3.2	17
10	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
11	Synthesis, characterization, and reactivity of a novel thallium arylspiroboronate ester. <i>Canadian Journal of Chemistry</i> , 2009, 87, 139-145.	1.1	15
12	Electroactive Silk Fibroin Films for Electrochemically Enhanced Delivery of Drugs. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000130.	3.6	14
13	4- $\pi$ -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
14	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
15	Selective Arene Cleavage by Direct Insertion of Iridium into the Aromatic Ring. <i>Angewandte Chemie</i> , 2017, 129, 3314-3317.	2.0	10
16	Rhodium complexes containing arylspiroborates derived from 3,5-di-tert-butylcatechol and their use in catalyzed hydroborations. <i>Polyhedron</i> , 2013, 52, 1181-1189.	2.2	9
17	<i>trans</i> -Dichloridobis(dimethyl sulfoxide- $\kappa$ O)bis(4-fluorobenzyl- $\kappa$ C) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 100 E: Crystallographic Communications, 2017, 73, 667-672.	0.5	9
18	Crystalline azobenzene composites as photochemical phase-change materials. <i>New Journal of Chemistry</i> , 2022, 46, 4057-4061.	2.8	9

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19	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
20	Stepping down the dose of inhaled corticosteroids for adults with asthma. <i>The Cochrane Library</i> , 2017, 2, CD011802.	2.8	8
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	Effect of Transition Metal Substitution on the Flexibility and Thermal Properties of MOF-Based Solid Phase Change Materials. <i>Inorganic Chemistry</i> , 2021, 60, 12950-12960.	4.0	8
23	$\text{N,N}'$ -Bis(pyridin-4-ylmethyl)oxalamide benzene monosolvate: crystal structure, Hirshfeld surface analysis and computational study. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 1133-1139.	0.5	8
24	Photochemical Oxidation of Pt(IV)Me <sub>3</sub> (1,2-diimine) Thiolates to Luminescent Pt(IV) Sulfonates. <i>Inorganic Chemistry</i> , 2021, 60, 7031-7043.	4.0	7
25	Selective ortho-C-H Activation in Arenes without Functional Groups. <i>Journal of the American Chemical Society</i> , 2022, 144, 11564-11568.	13.7	7
26	Secondary bonding in dimethylbis(morpholine-4-carbodithioato) $\lambda^2$ - $\text{S}_2$ - $\text{S}_2$ -tin(IV): crystal structure and Hirshfeld surface analysis. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 842-848.	0.5	6
27	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
28	$\text{N,N}'$ -[1-(5-Bromo-2-hydroxyphenyl)ethylidene]isonicotinohydrazide monohydrate: crystal structure and Hirshfeld surface analysis. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 630-636.	0.5	5
29	Silicon photosensitisation using molecular layers. <i>Faraday Discussions</i> , 2020, 222, 405-423.	3.2	5
30	$\lambda^3$ -Chlorido- $\lambda^2$ -chlorido- $\lambda^3$ -pyrrolidine-1-carbodithioato $\lambda^4$ - $\text{S}_2$ - $\text{S}_2$ : crystal structure and Hirshfeld surface analysis. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 720-725.	0.5	3
31	Self-assembly of singlet-emitting double-helical silver dimers: the curious coordination chemistry and fluorescence of bisquinolylpyridone. <i>Dalton Transactions</i> , 2018, 47, 3906-3912.	3.3	3
32	Crystal structure of bis( $\lambda^2$ -di- <i>n</i> -butylidithiocarbamato) $\lambda^3$ -Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 232 T	0.3	3
33	C <sub>24</sub> H <sub>36</sub> N <sub>2</sub> O <sub>6</sub> Re <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2018, 233, 485-487.	1.4	3
34	An efficient preparation of 1,2-dihydropyridazines through a Diels-Alder/palladium-catalysed elimination sequence. <i>Tetrahedron Letters</i> , 2019, 60, 1498-1500.	4.1	3
35	Selective, radical-free activation of benzylic C-H bonds in methylarenes. <i>Chemical Communications</i> , 2021, 57, 7894-7897.	0.5	3
36	[N,N-Bis(2-hydroxyethyl)dithiocarbamato) $\lambda^2$ S <sub>2</sub> ] $\lambda^2$ bis(triphenylphosphane) $\lambda^2$ 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
36	[ $\text{N,N}'$ -(4-Decyloxy-2-oxidobenzylidene)-3-hydroxy-2-naphthohydrazidato) $\lambda^3$ - $\text{N}_2$ - $\text{O}_2$ ] $\lambda^2$ dimethyl	0.5	3

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37	A structural investigation of organic battery anode materials by NMR crystallography. <i>Magnetic Resonance in Chemistry</i> , 2022, 60, 489-503.	1.9	3
38	Unified Approach to Diverse Fused Fragments via Catalytic Dehydrative Cyclization. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	3
39	<i>trans</i> -Acetonitriletricarbonyl(dimethylcarbamodithioato) <sup>2-</sup> rhodium(I): crystal structure and Hirshfeld surface analysis. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 213-218.	0.5	2
40	Crystal structure of bis( $\frac{1}{4}$ -pyrrolidine-1-carbodithioato) <sup>3-</sup> bis(tricyclohexylphosphane-P)-di-copper(I), C <sub>46</sub> H <sub>82</sub> Cu <sub>2</sub> N <sub>2</sub> P <sub>2</sub> S <sub>4</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2018, 233, 513-515.	0.3	2
41	Crystal structure of chlorido-methanol-( <i>N</i> -(2-(oxy)-3-methoxybenzylidene)pyridine-4-carbohydrazonato) <sup>3-</sup> Tj ETQq1 1 0.784314 rgBT (C <sub>23</sub> H <sub>24</sub> ClN <sub>3</sub> O <sub>4</sub> Sn. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2018, 233, 519-521.	0.3	2
42	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
43	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
44	Crystal structure of bis( $\frac{1}{4}$ -diethylcarbomodithioato) <sup>2-</sup> bis(triethylphosphine-P)-di-copper(I), 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	2
45	Crystal structure of bis( $\frac{1}{4}$ -pyrrolidine-1-carbodithioato) <sup>2-</sup> bis(triethylphosphine-P)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	2
46	Synthesis and molecular structure of a novel barium arylspiroboronate ester. <i>Open Chemistry</i> , 2011, 9, 386-390.	1.9	1
47	Crystal structure of bis( $\frac{1}{4}$ -diethyldithiocarbamato) <sup>3-</sup> bis(tricyclohexylphosphane-P)dicopper(I), C <sub>46</sub> H <sub>86</sub> Cu <sub>2</sub> N <sub>2</sub> P <sub>2</sub> S <sub>4</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2018, 233, 507-509.	0.3	1
48	Dichlorido( $\eta$ -6-p-cymene)[tris(2-cyanoethyl)phosphine]ruthenium(II). <i>MolBank</i> , 2018, 2018, M1025.	0.5	1
49	Film 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
50	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
51	Crystal structure of 7-(4-methylphenyl)imidazo[1,2-a][1,3,5]triazin-4-amine, C <sub>12</sub> H <sub>11</sub> N <sub>5</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2018, 233, 489-490.	0.3	0
52	1,2-Dihydropyridazines as Versatile Synthetic Intermediates. <i>Synlett</i> , 2020, 31, 459-462.	1.8	0
53	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