

# V Nicholas Vukotic

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1735148/publications.pdf>

Version: 2024-02-01

24  
papers

1,717  
citations

394421

19  
h-index

526287

27  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1561  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-organic frameworks with dynamic interlocked components. <i>Nature Chemistry</i> , 2012, 4, 456-460.	13.6	260
2	A molecular shuttle that operates inside a metal-organic framework. <i>Nature Chemistry</i> , 2015, 7, 514-519.	13.6	247
3	Coordination polymers containing rotaxane linkers. <i>Chemical Society Reviews</i> , 2012, 41, 5896.	38.1	213
4	Molecular Shuttling of a Compact and Rigid H-Shaped [2]Rotaxane. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2168-2172.	13.8	139
5	Metal-Organic Frameworks with Mechanically Interlocked Pillars: Controlling Ring Dynamics in the Solid-State via a Reversible Phase Change. <i>Journal of the American Chemical Society</i> , 2014, 136, 7403-7409.	13.7	127
6	Mechanically Interlocked Linkers inside Metal-Organic Frameworks: Effect of Ring Size on Rotational Dynamics. <i>Journal of the American Chemical Society</i> , 2015, 137, 9643-9651.	13.7	98
7	Heterolytic Activation of H <sub>2</sub> Using a Mechanically Interlocked Molecule as a Frustrated Lewis Base. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 960-963.	13.8	77
8	Bis(benzimidazolium) axles and crown ether wheels: a versatile templating pair for the formation of [2]rotaxane molecular shuttles. <i>Chemical Science</i> , 2012, 3, 3265.	7.4	76
9	Eliminating the need for independent counterions in the construction of metal-organic rotaxane frameworks (MORFs). <i>Chemical Communications</i> , 2009, , 5585.	4.1	60
10	One-, Two- and Three-Periodic Metal-Organic Rotaxane Frameworks (MORFs): Linking Cationic Transition-Metal Nodes with an Anionic Rotaxane Ligand. <i>Chemistry - A European Journal</i> , 2010, 16, 13630-13637.	3.3	56
11	Linking [2]rotaxane wheels to create a new type of metal organic rotaxane framework. <i>Chemical Communications</i> , 2011, 47, 896-898.	4.1	54
12	[2]Pseudorotaxanes from T-Shaped Benzimidazolium Axles and [24]Crown-8 Wheels. <i>Organic Letters</i> , 2012, 14, 2484-2487.	4.6	52
13	Optical Distinction between "Slow" and "Fast" Translational Motion in Degenerate Molecular Shuttles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6136-6141.	13.8	38
14	Acid-Base Switchable [2]- and [3]Rotaxane Molecular Shuttles with Benzimidazolium and Bis(pyridinium) Recognition Sites. <i>Chemistry - an Asian Journal</i> , 2016, 11, 3258-3266.	3.3	32
15	A tetrapyridine ligand with a rigid tetrahedral core forms metal-organic frameworks with PtS type architecture. <i>Chemical Communications</i> , 2011, 47, 8545.	4.1	29
16	Reversible mechanical protection: building a 3D "suit" around a T-shaped benzimidazole axle. <i>Chemical Science</i> , 2017, 8, 3898-3904.	7.4	24
17	Rotaxanes Based on the 1,2-Bis(pyridinio)ethane-24-Crown-8 Templating Motif. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1763-1770.	2.4	20
18	Holding Open Micropores with Water: Hydrogen-Bonded Networks Supported by Hexaaquachromium(III) Cations. <i>CheM</i> , 2018, 4, 868-878.	11.7	16

#	ARTICLE	IF	CITATIONS
19	Reactions of substituted pyridines with electrophilic boranes. Dalton Transactions, 2012, 41, 2131-2139.	3.3	14
20	Conformational Study of N,N'-Diacyl Bispidines and Dioxo Bis-bispidines: Planar Chirality and Molecular Switching. Journal of Organic Chemistry, 2016, 81, 2981-2986.	3.2	11
21	Optical Distinction between "Slow" and "Fast" Translational Motion in Degenerate Molecular Shuttles. Angewandte Chemie, 2017, 129, 6232-6237.	2.0	10
22	Assembly of a M4L4 "folded-cube" using a T-shaped, right-angled ligand. Dalton Transactions, 2015, 44, 898-902.	3.3	8
23	Structural analysis of bis-bispidine tetraazamacrocycle: Long-range weak interactions in a channeled organic crystal. Journal of Molecular Structure, 2015, 1081, 44-50.	3.6	6
24	Building hydrogen-bonded networks from metal complexes containing the heterotopic (N or O) ligand 4,4'-bipyridine-N-oxide. Supramolecular Chemistry, 2016, 28, 151-160.	1.2	5