

Josef Hamacek

List of Publications by Year in descending order

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38
papers

1,549
citations

361413

20
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37
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42
all docs

42
docs citations

42
times ranked

1418
citing authors

#	ARTICLE	IF	CITATIONS
1	Strict self-assembly of polymetallic helicates: the concepts behind the semantics. <i>Coordination Chemistry Reviews</i> , 2005, 249, 705-726.	18.8	253
2	Highly Efficient Near-IR Emitting Yb/Yb and Yb/Al Helicates. <i>Journal of the American Chemical Society</i> , 2007, 129, 14178-14179.	13.7	112
3	Symmetry Numbers and Statistical Factors in Self-Assembly and Multivalency. <i>Journal of Physical Chemistry B</i> , 2007, 111, 12195-12203.	2.6	110
4	Rational Design of a Ternary Supramolecular System: Self-Assembly of Pentanuclear Lanthanide Helicates. <i>Journal of the American Chemical Society</i> , 2011, 133, 10764-10767.	13.7	94
5	Self-Assembly Mechanism of a Bimetallic Europium Triple-Stranded Helicate. <i>Journal of the American Chemical Society</i> , 2003, 125, 1541-1550.	13.7	90
6	Simple thermodynamics for unravelling sophisticated self-assembly processes. <i>Dalton Transactions</i> , 2006, , 1473.	3.3	87
7	Predictions, Synthetic Strategy, and Isolation of a Linear Tetrametallic Triple-Stranded Lanthanide Helicate. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7954-7958.	13.8	83
8	A Simple Thermodynamic Model for Quantitatively Addressing Cooperativity in Multicomponent Self-Assembly Processesâ€”Part 1: Theoretical Concepts and Application to Monometallic Coordination Complexes and Bimetallic Helicates Possessing Identical Binding Sites. <i>Chemistry - A European Journal</i> , 2005, 11, 5217-5226.	3.3	61
9	Tetrahedral Assembly with Lanthanides: Toward Discrete Polynuclear Complexes. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 3419-3422.	2.0	60
10	Lanthanide-Mediated Supramolecular Cages and Hostâ€”Guest Interactions. <i>Inorganic Chemistry</i> , 2011, 50, 8588-8597.	4.0	56
11	Building large supramolecular nanocapsules with europium cations. <i>Chemical Communications</i> , 2012, 48, 1281-1283.	4.1	55
12	A Simple Thermodynamic Model for Quantitatively Addressing Cooperativity in Multicomponent Self-Assembly Processesâ€”Part 2: Extension to Multimetallic Helicates Possessing Different Binding Sites. <i>Chemistry - A European Journal</i> , 2005, 11, 5227-5237.	3.3	53
13	Multistage Complexation of Fluoride Ions by a Fluorescent Triphenylamine Bearing Three Dimesitylboryl Groups: Controlling Intramolecular Charge Transfer. <i>Journal of Organic Chemistry</i> , 2011, 76, 9081-9085.	3.2	45
14	Tuneable Intramolecular Intermetallic Interactions as a New Tool for Programming Linear Heterometallic 4f ⁿ 4f Complexes. <i>Inorganic Chemistry</i> , 2007, 46, 9312-9322.	4.0	43
15	Linear Polynuclear Helicates as a Link between Discrete Supramolecular Complexes and Programmed Infinite Polymetallic Chains. <i>Chemistry - A European Journal</i> , 2008, 14, 2994-3005.	3.3	42
16	Thermodynamics, Structure and Properties of Polynuclear Lanthanide Complexes with a Tripodal Ligand: Insight into their Selfâ€”Assembly. <i>Chemistry - A European Journal</i> , 2011, 17, 6753-6764.	3.3	35
17	How to Adapt Scatchard Plot for Graphically Addressing Cooperativity in Multicomponent Self-Assemblies. <i>Journal of Physical Chemistry B</i> , 2006, 110, 7783-7792.	2.6	33
18	Selfâ€”Assembly of a Trinuclear Luminescent Europium Complex. <i>Chemistry - A European Journal</i> , 2009, 15, 3355-3358.	3.3	31

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19	Functionalized Triptycene-Derived Tripodal Ligands: Privileged Formation of Tetranuclear Cage Assemblies with Larger Ln(III). <i>Inorganic Chemistry</i> , 2017, 56, 2742-2749.	4.0	23
20	Unsymmetrical Tripodal Ligand for Lanthanide Complexation: Structural, Thermodynamic, and Photophysical Studies. <i>Inorganic Chemistry</i> , 2010, 49, 606-615.	4.0	20
21	Designing Artificial 3D Helicates: Unprecedented Self-Assembly of Homo- ϵ octanuclear Tetrapods with Europium. <i>Chemistry - A European Journal</i> , 2015, 21, 6695-6699.	3.3	19
22	Thermodynamic Discrimination in the Formation of Tetranuclear Lanthanide Helicates. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2409-2417.	2.0	18
23	Controlling the Structures of Lanthanide Complexes in Self-Assemblies with Tripodal Ligands. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1155-1166.	2.0	14
24	Tripodal europium complex with triangulenium dye: a model bifunctional metallo-organic system. <i>Dalton Transactions</i> , 2012, 41, 6777.	3.3	13
25	Reproducibility and accuracy of microscale thermophoresis in the NanoTemper Monolith: a multi laboratory benchmark study. <i>European Biophysics Journal</i> , 2021, 50, 411-427.	2.2	13
26	Supramolecular structure of the polymeric Eu(III) complex with pyridine-2,6-dicarboxylic acid. <i>Polyhedron</i> , 2009, 28, 2179-2182.	2.2	9
27	Crowding-Induced Uncompetitive Inhibition of Lactate Dehydrogenase: Role of Entropic Pushing. <i>Journal of Physical Chemistry B</i> , 2020, 124, 727-734.	2.6	8
28	Structure, stability and relaxivity of trinuclear triangular complexes. <i>Dalton Transactions</i> , 2011, 40, 4284.	3.3	7
29	Bambusuril Macrocycles as Mediators of Supramolecular Interactions: Application to the Europium Cage Helicate. <i>Chemistry - A European Journal</i> , 2021, 27, 5492-5497.	3.3	7
30	Lanthanide-mediated triangular cationic assemblies: structural and physico-chemical properties. <i>Dalton Transactions</i> , 2012, 41, 4817.	3.3	6
31	Ln(III) complexes with triptycene based tripodal ligands: speciation and equilibria. <i>New Journal of Chemistry</i> , 2018, 42, 7803-7809.	2.8	5
32	Kinetic theory of hyaluronan cleavage by bovine testicular hyaluronidase in standard and crowded environments. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129837.	2.4	5
33	Polyethylene glycol crowding effect on hyaluronidase activity monitored by capillary electrophoresis. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4195-4207.	3.7	4
34	Understanding the speciation of Ln(III) complexes with octadentate tripodal ligands. <i>New Journal of Chemistry</i> , 2017, 41, 4390-4399.	2.8	2
35	Lanthanide Podands with a Short Tripodal Ligand: The Missing Piece of Puzzle. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 276-282.	2.0	2
36	Tris(6-carboxypyridine-2-carboxylato)terbium(III) 2.75-hydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, m968-m969.	0.2	1

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37	Synthetic routes to large tripodal organic receptors and the structural characterisation of intermediates. <i>Tetrahedron</i> , 2016, 72, 928-935.	1.9	0
38	Controlling the Structures of Lanthanide Complexes in Self-Assemblies with Tripodal Ligands. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1153-1153.	2.0	0