

Kenneth N Raymond

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

335
papers

30,371
citations

89
h-index

160
g-index

343
ext. papers

32,526
ext. citations

10.7
avg, IF

7.28
L-index

#	Paper	IF	Citations
335	Chemoselective and Site-Selective Reductions Catalyzed by a Supramolecular Host and a Pyridine-Borane Cofactor. <i>Journal of the American Chemical Society</i> , 2021 , 143, 2108-2114	16.4	10
334	An isolated water droplet in the aqueous solution of a supramolecular tetrahedral cage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 32954-32961	11.5	8
333	A Nanovessel-Catalyzed Three-Component Aza-Darzens Reaction. <i>Journal of the American Chemical Society</i> , 2020 , 142, 733-737	16.4	20
332	Advances in supramolecular host-mediated reactivity. <i>Nature Catalysis</i> , 2020 , 3, 969-984	36.5	65
331	Heterogeneous Supramolecular Catalysis through Immobilization of Anionic ML Assemblies on Cationic Polymers. <i>Journal of the American Chemical Society</i> , 2020 , 142, 19327-19338	16.4	9
330	Supramolecular Host-Selective Activation of Iodoarenes by Encapsulated Organometallics. <i>Journal of the American Chemical Society</i> , 2019 , 141, 1701-1706	16.4	33
329	Measuring ion-pairing and hydration in variable charge supramolecular cages with microwave microfluidics. <i>Communications Chemistry</i> , 2019 , 2,	6.3	6
328	Energy Transfer from Antenna Ligand to Europium(III) Followed Using Ultrafast Optical and X-ray Spectroscopy. <i>Journal of the American Chemical Society</i> , 2019 , 141, 11071-11081	16.4	38
327	Parsing the functional specificity of Siderocalin/Lipocalin 2/NGAL for siderophores and related small-molecule ligands. <i>Journal of Structural Biology: X</i> , 2019 , 2, 100008	2.9	8
326	A Supramolecular Strategy for Selective Catalytic Hydrogenation Independent of Remote Chain Length. <i>Journal of the American Chemical Society</i> , 2019 , 141, 11806-11810	16.4	39
325	Self-Assembled Tetrahedral Hosts as Supramolecular Catalysts. <i>Accounts of Chemical Research</i> , 2018 , 51, 2447-2455	24.3	198
324	Deconvoluting the Role of Charge in a Supramolecular Catalyst. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6591-6595	16.4	49
323	Different and Often Opposing Forces Drive the Encapsulation and Multiple Exterior Binding of Charged Guests to a M L Supramolecular Vessel in Water. <i>Chemistry - A European Journal</i> , 2017 , 23, 16813-16818	4.8	15
322	Conformational Selection as the Mechanism of Guest Binding in a Flexible Supramolecular Host. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8013-8021	16.4	74
321	Scope and Mechanism of Cooperativity at the Intersection of Organometallic and Supramolecular Catalysis. <i>Journal of the American Chemical Society</i> , 2016 , 138, 9682-93	16.4	74
320	A Macrocyclic Chelator That Selectively Binds Ln over Ln by a Factor of 10. <i>Inorganic Chemistry</i> , 2016 , 55, 9989-10002	5.1	26
319	Untangling the Diverse Interior and Multiple Exterior Guest Interactions of a Supramolecular Host by the Simultaneous Analysis of Complementary Observables. <i>Analytical Chemistry</i> , 2016 , 88, 6923-9	7.8	12

318	Siderophore inspired tetra- and octadentate antenna ligands for luminescent Eu(III) and Tb(III) complexes. <i>Journal of Inorganic Biochemistry</i> , 2016 , 162, 263-273	4.2	15
317	Effects of Ligand Geometry on the Photophysical Properties of Photoluminescent Eu(III) and Sm(III) 1-Hydroxypyridin-2-one Complexes in Aqueous Solution. <i>Inorganic Chemistry</i> , 2016 , 55, 114-24	5.1	24
316	Improved scope and diastereoselectivity of C-H activation in an expanded supramolecular host. <i>Supramolecular Chemistry</i> , 2016 , 28, 188-191	1.8	1
315	Synthesis and chemical reactivity of a 6-Me-3,2-hydroxypyridinone dithiazolide with primary amines: a route to new hexadentate chelators for hard metal(III) ions. <i>Journal of Heterocyclic Chemistry</i> , 2016 , 53, 1065-1073	1.9	2
314	Optimization of the Sensitization Process and Stability of Octadentate Eu(III) 1,2-HOPO Complexes. <i>Inorganic Chemistry</i> , 2015 , 54, 6807-20	5.1	15
313	Enabling New Modes of Reactivity via Constrictive Binding in a Supramolecular-Assembly-Catalyzed Aza-Prins Cyclization. <i>Journal of the American Chemical Society</i> , 2015 , 137, 9202-5	16.4	82
312	Catechol Siderophore Transport by <i>Vibrio cholerae</i> . <i>Journal of Bacteriology</i> , 2015 , 197, 2840-9	3.5	34
311	Supramolecular catalysis in metal-ligand cluster hosts. <i>Chemical Reviews</i> , 2015 , 115, 3012-35	68.1	829
310	Supramolecular Ga ₄ L ₆ (12-) Cage Photosensitizes 1,3-Rearrangement of Encapsulated Guest via Photoinduced Electron Transfer. <i>Journal of the American Chemical Society</i> , 2015 , 137, 10128-31	16.4	69
309	Coordination Chemistry of Microbial Iron Transport. <i>Accounts of Chemical Research</i> , 2015 , 48, 2496-505	24.3	76
308	Protein-like proton exchange in a synthetic host cavity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 15303-7	11.5	12
307	The effect of host structure on the selectivity and mechanism of supramolecular catalysis of Prins cyclizations. <i>Chemical Science</i> , 2015 , 6, 1383-1393	9.4	54
306	Characterization, HPLC method development and impurity identification for 3,4,3-LI(1,2-HOPO), a potent actinide chelator for radionuclide decorporation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 102, 443-9	3.5	5
305	A supramolecular microenvironment strategy for transition metal catalysis. <i>Science</i> , 2015 , 350, 1235-8	33.3	291
304	New insights into structure and luminescence of Eu(III) and Sm(III) complexes of the 3,4,3-LI(1,2-HOPO) ligand. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2816-9	16.4	57
303	Origins of large rate enhancements in the Nazarov cyclization catalyzed by supramolecular encapsulation. <i>Chemistry - A European Journal</i> , 2014 , 20, 3966-73	4.8	41
302	Nucleophilic substitution catalyzed by a supramolecular cavity proceeds with retention of absolute stereochemistry. <i>Journal of the American Chemical Society</i> , 2014 , 136, 14409-12	16.4	93
301	Direct observation of 4f intrashell excitation in luminescent Eu complexes by time-resolved X-ray absorption near edge spectroscopy. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4186-91	16.4	30

300	Direct evidence of iron uptake by the Gram-positive siderophore-shuttle mechanism without iron reduction. <i>ACS Chemical Biology</i> , 2014 , 9, 2092-100	4.9	20
299	Biochemical and Physical Properties of Siderophores 2014 , 1-17		43
298	Chiral amide directed assembly of a diastereo- and enantiopure supramolecular host and its application to enantioselective catalysis of neutral substrates. <i>Journal of the American Chemical Society</i> , 2013 , 135, 18802-5	16.4	151
297	<i>Campylobacter jejuni</i> ferric-enterobactin receptor CfrA is TonB3 dependent and mediates iron acquisition from structurally different catechol siderophores. <i>Metallomics</i> , 2013 , 5, 988-96	4.5	25
296	Solvent and pressure effects on the motions of encapsulated guests: tuning the flexibility of a supramolecular host. <i>Journal of the American Chemical Society</i> , 2013 , 135, 4299-306	16.4	40
295	Siderocalins: Siderophore binding proteins evolved for primary pathogen host defense. <i>Current Opinion in Chemical Biology</i> , 2013 , 17, 150-7	9.7	45
294	A supramolecular approach to combining enzymatic and transition metal catalysis. <i>Nature Chemistry</i> , 2013 , 5, 100-3	17.6	279
293	Porphyrin-substituted H-NOX proteins as high-relaxivity MRI contrast agents. <i>Inorganic Chemistry</i> , 2013 , 52, 2277-9	5.1	30
292	Improving T ₁ and T ₂ magnetic resonance imaging contrast agents through the conjugation of an esteramide dendrimer to high-water-coordination Gd(III) hydroxypyridinone complexes. <i>Contrast Media and Molecular Imaging</i> , 2012 , 7, 95-9	3.2	37
291	A single sensitizer for the excitation of visible and NIR lanthanide emitters in water with high quantum yields. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2371-4	16.4	79
290	Selective monoterpene-like cyclization reactions achieved by water exclusion from reactive intermediates in a supramolecular catalyst. <i>Journal of the American Chemical Society</i> , 2012 , 134, 17873-6	16.4	126
289	Equilibrium isotope effects on noncovalent interactions in a supramolecular host-guest system. <i>Journal of the American Chemical Society</i> , 2012 , 134, 2057-66	16.4	35
288	Analysis of Lanthanide Complex Dendrimer Conjugates for Bimodal NIR and MRI Imaging. <i>Macromolecules</i> , 2012 , 45, 8982-8990	5.5	26
287	Silica microparticles as a solid support for gadolinium phosphonate magnetic resonance imaging contrast agents. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8046-9	16.4	42
286	Circularly polarized luminescence of curium: a new characterization of the 5f actinide complexes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15545-9	16.4	44
285	Conjugation to Biocompatible Dendrimers Increases Lanthanide Relaxivity of Hydroxypyridinone (HOPO) Complexes for Magnetic Resonance Imaging (MRI). <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 2108-2114	2.3	22
284	A Single Sensitizer for the Excitation of Visible and NIR Lanthanide Emitters in Water with High Quantum Yields. <i>Angewandte Chemie</i> , 2012 , 124, 2421-2424	3.6	17
283	Inner and outer beauty. <i>Topics in Current Chemistry</i> , 2012 , 323, 1-18		7

282	Bacillus cereus iron uptake protein fishes out an unstable ferric citrate trimer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 16829-34	11.5	28
281	Siderocalin/Lcn2/NGAL/24p3 does not drive apoptosis through gentisic acid mediated iron withdrawal in hematopoietic cell lines. <i>PLoS ONE</i> , 2012 , 7, e43696	3.7	34
280	Uranyl sequestration: synthesis and structural characterization of uranyl complexes with a tetradentate methylterephthalamide ligand. <i>Chemical Communications</i> , 2011 , 47, 6392-4	5.8	15
279	Multidentate terephthalamidate and hydroxypyridonate ligands: towards new orally active chelators. <i>Hemoglobin</i> , 2011 , 35, 276-90	0.6	16
278	Multivalent, high-relaxivity MRI contrast agents using rigid cysteine-reactive gadolinium complexes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14704-9	16.4	107
277	Octadentate cages of Tb(III) 2-hydroxyisophthalamides: a new standard for luminescent lanthanide labels. <i>Journal of the American Chemical Society</i> , 2011 , 133, 19900-10	16.4	183
276	Galline Ex-FABP is an antibacterial siderocalin and a lysophosphatidic acid sensor functioning through dual ligand specificities. <i>Structure</i> , 2011 , 19, 1796-806	5.2	26
275	Assembly of Near-Infrared Luminescent Lanthanide Host(Host-Guest) Complexes With a Metallacrown Sandwich Motif. <i>Angewandte Chemie</i> , 2011 , 123, 9834-9838	3.6	16
274	Enzyme-like Control of Carbocation Deprotonation Regioselectivity in Supramolecular Catalysis of the Nazarov Cyclization. <i>Angewandte Chemie</i> , 2011 , 123, 10758-10761	3.6	28
273	Assembly of near-infrared luminescent lanthanide host(host-guest) complexes with a metallacrown sandwich motif. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 9660-4	16.4	150
272	Enzyme-like control of carbocation deprotonation regioselectivity in supramolecular catalysis of the Nazarov cyclization. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 10570-3	16.4	73
271	The influence of linker geometry in bis(3-hydroxy-N-methyl-pyridin-2-one) ligands on solution phase uranyl affinity. <i>Chemistry - A European Journal</i> , 2011 , 17, 1818-27	4.8	16
270	3,4,3-LI(1,2-HOPO): in vitro formation of highly stable lanthanide complexes translates into efficacious in vivo europium decorporation. <i>Dalton Transactions</i> , 2011 , 40, 8340-6	4.3	48
269	Hydroalkoxylation catalyzed by a gold(I) complex encapsulated in a supramolecular host. <i>Journal of the American Chemical Society</i> , 2011 , 133, 7358-60	16.4	187
268	Conjugation effects of various linkers on Gd(III) MRI contrast agents with dendrimers: optimizing the hydroxypyridinonate (HOPO) ligands with nontoxic, degradable esteramide (EA) dendrimers for high relaxivity. <i>Journal of the American Chemical Society</i> , 2011 , 133, 2390-3	16.4	83
267	Immune interference in Mycobacterium tuberculosis intracellular iron acquisition through siderocalin recognition of carboxymycobactins. <i>ACS Chemical Biology</i> , 2011 , 6, 1327-31	4.9	25
266	Hexadentate terephthalamide(bis-hydroxypyridinone) ligands for uranyl chelation: structural and thermodynamic consequences of ligand variation. <i>Journal of the American Chemical Society</i> , 2011 , 133, 7942-56	16.4	37
265	High-turnover supramolecular catalysis by a protected ruthenium(II) complex in aqueous solution. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11964-6	16.4	99

264	1H NMR chemical shift calculations as a probe of supramolecular host-guest geometry. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11205-12	16.4	33
263	Iron traffics in circulation bound to a siderocalin (Ngal)-catechol complex. <i>Nature Chemical Biology</i> , 2010 , 6, 602-9	11.7	224
262	A ferrocene-based catecholamide ligand: the consequences of ligand swivel for directed supramolecular self-assembly. <i>Journal of Coordination Chemistry</i> , 2010 , 63, 2779-2789	1.6	14
261	Encapsulated guest-host dynamics: guest rotational barriers and tumbling as a probe of host interior cavity space. <i>Journal of the American Chemical Society</i> , 2010 , 132, 16256-64	16.4	44
260	Enzymelike catalysis of the Nazarov cyclization by supramolecular encapsulation. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6938-40	16.4	273
259	External and internal guest binding of a highly charged supramolecular host in water: deconvoluting the very different thermodynamics. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1005-9	16.4	75
258	Eu(III) complexes of functionalized octadentate 1-hydroxypyridin-2-ones: stability, bioconjugation, and luminescence resonance energy transfer studies. <i>Inorganic Chemistry</i> , 2010 , 49, 9928-39	5.1	21
257	Fe L-edge X-ray absorption spectroscopy determination of differential orbital covalency of siderophore model compounds: electronic structure contributions to high stability constants. <i>Journal of the American Chemical Society</i> , 2010 , 132, 4006-15	16.4	55
256	Influence of linker geometry on uranyl complexation by rigidly linked bis(3-hydroxy-N-methyl-pyridin-2-one). <i>Inorganic Chemistry</i> , 2010 , 49, 6755-65	5.1	23
255	Biomimetic actinide chelators: an update on the preclinical development of the orally active hydroxypyridonate decorporation agents 3,4,3-LI(1,2-HOPO) and 5-LIO(Me-3,2-HOPO). <i>Health Physics</i> , 2010 , 99, 401-7	2.3	81
254	1-Methyl-3-hydroxy-pyridin-2-one complexes of near infra-red emitting lanthanides: efficient sensitization of Yb(III) and Nd(III) in aqueous solution. <i>Inorganic Chemistry</i> , 2010 , 49, 4156-66	5.1	35
253	Strong Circularly Polarized Luminescence from Highly Emissive Terbium Complexes in Aqueous Solution. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 3343-3347	2.3	33
252	Does size really matter? The steric isotope effect in a supramolecular host-guest exchange reaction. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 3635-7	16.4	56
251	Inside Cover: Does Size Really Matter? The Steric Isotope Effect in a Supramolecular Host-Guest Exchange Reaction (Angew. Chem. Int. Ed. 21/2010). <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 3546-3546	16.4	
250	Eu(III) Complexes of Octadentate 1-Hydroxy-2-pyridinones: Stability and Improved Photophysical Performance. <i>Australian Journal of Chemistry</i> , 2009 , 62, 1300-1307	1.2	6
249	Characterization of a <i>Bacillus subtilis</i> transporter for petrobactin, an anthrax stealth siderophore. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 21854-9	11.5	68
248	Molecular recognition and self-assembly special feature: Encapsulation and characterization of proton-bound amine homodimers in a water-soluble, self-assembled supramolecular host. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 10438-43	11.5	54
247	A [Cyclentetrakis(methylene)]tetrakis[2-hydroxybenzamide] Ligand That Complexes and Sensitizes Lanthanide(III) Ions. <i>Helvetica Chimica Acta</i> , 2009 , 92, 2439-2460	2	12

246	Effect of a mesitylene-based ligand cap on the relaxometric properties of Gd(III) hydroxypyridonate MRI contrast agents. <i>Contrast Media and Molecular Imaging</i> , 2009 , 4, 220-9	3.2	12
245	Designing the ideal uranyl ligand: a sterically induced speciation change in complexes with thiophene-bridged bis(3-hydroxy-n-methylpyridin-2-one). <i>Inorganic Chemistry</i> , 2009 , 48, 11489-91	5.1	18
244	Aryl bridged 1-hydroxypyridin-2-one: effect of the bridge on the Eu(III) sensitization process. <i>Inorganic Chemistry</i> , 2009 , 48, 9316-24	5.1	20
243	Enantioselective catalysis of the aza-Cope rearrangement by a chiral supramolecular assembly. <i>Journal of the American Chemical Society</i> , 2009 , 131, 17530-1	16.4	189
242	Using the antenna effect as a spectroscopic tool: photophysics and solution thermodynamics of the model luminescent hydroxypyridonate complex [Eu(III)(3,4,3-LI(1,2-HOPO))]-. <i>Inorganic Chemistry</i> , 2009 , 48, 10868-70	5.1	56
241	Proton-mediated chemistry and catalysis in a self-assembled supramolecular host. <i>Accounts of Chemical Research</i> , 2009 , 42, 1650-9	24.3	529
240	Enzymatic hydrolysis of trilactone siderophores: where chiral recognition occurs in enterobactin and bacillibactin iron transport. <i>Journal of the American Chemical Society</i> , 2009 , 131, 12682-92	16.4	59
239	1,2-hydroxypyridonate/terephthalamide complexes of gadolinium(III): synthesis, stability, relaxivity, and water exchange properties. <i>Inorganic Chemistry</i> , 2009 , 48, 277-86	5.1	36
238	Structural consequences of anionic host-cationic guest interactions in a supramolecular assembly. <i>Inorganic Chemistry</i> , 2009 , 48, 111-20	5.1	57
237	The acid hydrolysis mechanism of acetals catalyzed by a supramolecular assembly in basic solution. <i>Journal of Organic Chemistry</i> , 2009 , 74, 58-63	4.2	54
236	Predicting efficient antenna ligands for Tb(III) emission. <i>Inorganic Chemistry</i> , 2009 , 48, 687-98	5.1	87
235	Gd-hydroxypyridinone (HOPO)-based high-relaxivity magnetic resonance imaging (MRI) contrast agents. <i>Accounts of Chemical Research</i> , 2009 , 42, 938-47	24.3	214
234	From antenna to assay: lessons learned in lanthanide luminescence. <i>Accounts of Chemical Research</i> , 2009 , 42, 542-52	24.3	826
233	Siderophore-mediated iron acquisition systems in <i>Bacillus cereus</i> : Identification of receptors for anthrax virulence-associated petrobactin. <i>Biochemistry</i> , 2009 , 48, 3645-57	3.2	73
232	Circularly polarized luminescence in enantiopure europium and terbium complexes with modular, all-oxygen donor ligands. <i>Inorganic Chemistry</i> , 2009 , 48, 8469-79	5.1	40
231	Highly luminescent lanthanide complexes of 1-hydroxy-2-pyridinones. <i>Inorganic Chemistry</i> , 2008 , 47, 3105-18	5.1	66
230	High relaxivity gadolinium hydroxypyridonate-viral capsid conjugates: nanosized MRI contrast agents. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2546-52	16.4	156
229	Use of Yb(III)-centered near-infrared (NIR) luminescence to determine the hydration state of a 3,2-HOPO-based MRI contrast agent. <i>Inorganic Chemistry</i> , 2008 , 47, 8571-3	5.1	19

- 228 Aza Cope rearrangement of propargyl enammonium cations catalyzed by a self-assembled "nanozyme". *Journal of the American Chemical Society*, **2008**, 130, 10977-83 16.4 129
- 227 Water-soluble 2-hydroxyisophthalamides for sensitization of lanthanide luminescence. *Inorganic Chemistry*, **2008**, 47, 7535-44 5.1 61
- 226 The role of electrostatics in siderophore recognition by the immunoprotein Siderocalin. *Journal of the American Chemical Society*, **2008**, 130, 17584-92 16.4 47
- 225 Aqueous Ln(III) luminescence agents derived from a tasty precursor. *Inorganic Chemistry*, **2008**, 47, 7951-3 5.1 13
- 224 Aryl-bridged 1-hydroxypyridin-2-one: sensitizer ligands for Eu(III). *Inorganic Chemistry*, **2008**, 47, 6109-11 5.1 40
- 223 Petrobactin-mediated iron transport in pathogenic bacteria: coordination chemistry of an unusual 3,4-catecholate/citrate siderophore. *Journal of the American Chemical Society*, **2008**, 130, 2124-5 16.4 75
- 222 Supramolecular catalysis of orthoformate hydrolysis in basic solution: an enzyme-like mechanism. *Journal of the American Chemical Society*, **2008**, 130, 11423-9 16.4 87
- 221 Diffusion of a highly charged supramolecular assembly: direct observation of ion association in water. *Inorganic Chemistry*, **2008**, 47, 1411-3 5.1 30
- 220 Acceleration of amide bond rotation by encapsulation in the hydrophobic interior of a water-soluble supramolecular assembly. *Journal of Organic Chemistry*, **2008**, 73, 7132-6 4.2 23
- 219 Encapsulation of protonated diamines in a water-soluble, chiral, supramolecular assembly allows for measurement of hydrogen-bond breaking followed by nitrogen inversion/rotation. *Journal of the American Chemical Society*, **2008**, 130, 6362-6 16.4 51
- 218 Highly fluorescent group 13 metal complexes with cyclic, aromatic hydroxamic acid ligands. *Inorganic Chemistry*, **2008**, 47, 8665-73 5.1 6
- 217 On the Suitability of Lanthanides as Actinide Analogs. *Materials Research Society Symposia Proceedings*, **2008**, 1104, 1 2
- 216 Terephthalamide-containing ligands: fast removal of iron from transferrin. *Journal of Biological Inorganic Chemistry*, **2008**, 13, 229-40 3.7 18
- 215 Surprising Coordination Geometry Differences in CeIV- and PuIV-Maltol Complexes. *European Journal of Inorganic Chemistry*, **2008**, 2008, 2143-2147 2.3 28
- 214 Efficient Route to Highly Water-Soluble Aromatic Cyclic Hydroxamic Acid Ligands. *European Journal of Organic Chemistry*, **2008**, 2008, 2697-2700 3.2 4
- 213 High-relaxivity MRI contrast agents: where coordination chemistry meets medical imaging. *Angewandte Chemie - International Edition*, **2008**, 47, 8568-80 16.4 358
- 212 Design and formation of a large tetrahedral cluster using 1,1'-binaphthyl ligands. *Angewandte Chemie - International Edition*, **2008**, 47, 6062-4 16.4 63
- 211 3-Hydroxypyridin-2-one complexes of near-infrared (NIR) emitting lanthanides: sensitization of holmium(III) and praseodymium(III) in aqueous solution. *Angewandte Chemie - International Edition*, **2008**, 47, 9500-3 16.4 71

210	Simultaneously bound guests and chiral recognition: a chiral self-assembled supramolecular host encapsulates hydrophobic guests. <i>Tetrahedron</i> , 2008 , 64, 8362-8367	2.4	41
209	Enthalpy-entropy compensation reveals solvent reorganization as a driving force for supramolecular encapsulation in water. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2798-805	16.4	134
208	Reversible guest exchange mechanisms in supramolecular host-guest assemblies. <i>Chemical Society Reviews</i> , 2007 , 36, 161-71	58.5	407
207	Magnetic resonance contrast agents from viral capsid shells: a comparison of exterior and interior cargo strategies. <i>Nano Letters</i> , 2007 , 7, 2207-10	11.5	127
206	The hydrophobic effect drives the recognition of hydrocarbons by an anionic metal-ligand cluster. <i>Journal of the American Chemical Society</i> , 2007 , 129, 12094-5	16.4	85
205	1,2-hydroxypyridonates as contrast agents for magnetic resonance imaging: TREN-1,2-HOPO. <i>Inorganic Chemistry</i> , 2007 , 46, 9182-91	5.1	50
204	Highly soluble tris-hydroxypyridonate Gd(III) complexes with increased hydration number, fast water exchange, slow electronic relaxation, and high relaxivity. <i>Journal of the American Chemical Society</i> , 2007 , 129, 1870-1	16.4	85
203	An octadentate luminescent Eu(III) 1,2-HOPO chelate with potent aqueous stability. <i>Inorganic Chemistry</i> , 2007 , 46, 5468-70	5.1	34
202	Acid catalysis in basic solution: a supramolecular host promotes orthoformate hydrolysis. <i>Science</i> , 2007 , 316, 85-8	33.3	655
201	Resolution of chiral, tetrahedral M4L6 metal-ligand hosts. <i>Journal of the American Chemical Society</i> , 2007 , 129, 15354-63	16.4	121
200	Making amines strong bases: thermodynamic stabilization of protonated guests in a highly-charged supramolecular host ¹ . <i>Journal of the American Chemical Society</i> , 2007 , 129, 11459-67	16.4	110
199	Characterization of a mixed salt of 1-hydroxypyridin-2-one Pu(IV) complexes ¹ . <i>Journal of the American Chemical Society</i> , 2007 , 129, 6674-5	16.4	25
198	Optimized relaxivity and stability of [Gd(H(2,2)-1,2-HOPO)(H ₂ O)] ⁻ for use as an MRI contrast agent. <i>Inorganic Chemistry</i> , 2007 , 46, 4796-8	5.1	38
197	Highly selective supramolecular catalyzed allylic alcohol isomerization. <i>Journal of the American Chemical Society</i> , 2007 , 129, 2746-7	16.4	206
196	Enantiopure, octadentate ligands as sensitizers for europium and terbium circularly polarized luminescence in aqueous solution. <i>Journal of the American Chemical Society</i> , 2007 , 129, 15468-70	16.4	104
195	Sequestered Plutonium: [PuIV{5LIO(Me-3,2-HOPO)} ₂] ²⁺ The First Structurally Characterized Plutonium Hydroxypyridonate Complex. <i>Chemistry - A European Journal</i> , 2007 , 13, 378-378	4.8	2
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