

Kenneth N Raymond

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/942232/publications.pdf>

Version: 2024-02-01

320
papers

34,789
citations

3264

94
h-index

5244

171
g-index

343
all docs

343
docs citations

343
times ranked

20727
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Supramolecules by Design. <i>Accounts of Chemical Research</i> , 1999, 32, 975-982. | 7.6 | 1,358 |
| 2 | The Neutrophil Lipocalin NGAL Is a Bacteriostatic Agent that Interferes with Siderophore-Mediated Iron Acquisition. <i>Molecular Cell</i> , 2002, 10, 1033-1043. | 4.5 | 1,193 |
| 3 | Supramolecular Catalysis in Metal-Ligand Cluster Hosts. <i>Chemical Reviews</i> , 2015, 115, 3012-3035. | 23.0 | 1,021 |
| 4 | From Antenna to Assay: Lessons Learned in Lanthanide Luminescence. <i>Accounts of Chemical Research</i> , 2009, 42, 542-552. | 7.6 | 945 |
| 5 | Selective Molecular Recognition, C-H Bond Activation, and Catalysis in Nanoscale Reaction Vessels. <i>Accounts of Chemical Research</i> , 2005, 38, 349-358. | 7.6 | 916 |
| 6 | Enterobactin: An archetype for microbial iron transport. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 3584-3588. | 3.3 | 768 |
| 7 | Acid Catalysis in Basic Solution: A Supramolecular Host Promotes Orthoformate Hydrolysis. <i>Science</i> , 2007, 316, 85-88. | 6.0 | 717 |
| 8 | Proton-Mediated Chemistry and Catalysis in a Self-Assembled Supramolecular Host. <i>Accounts of Chemical Research</i> , 2009, 42, 1650-1659. | 7.6 | 555 |
| 9 | Rational Design of Sequestering Agents for Plutonium and Other Actinides. <i>Chemical Reviews</i> , 2003, 103, 4207-4282. | 23.0 | 505 |
| 10 | Reversible guest exchange mechanisms in supramolecular host-guest assemblies. <i>Chemical Society Reviews</i> , 2007, 36, 161-171. | 18.7 | 448 |
| 11 | Stable Lanthanide Luminescence Agents Highly Emissive in Aqueous Solution: Multidentate 2-Hydroxyisophthalamide Complexes of Sm ³⁺ , Eu ³⁺ , Tb ³⁺ , Dy ³⁺ . <i>Journal of the American Chemical Society</i> , 2003, 125, 13324-13325. | 6.6 | 438 |
| 12 | The Self-Assembly of a Predesigned Tetrahedral M ₄ L ₆ Supramolecular Cluster. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1840-1843. | 7.2 | 436 |
| 13 | High-Relaxivity MRI Contrast Agents: Where Coordination Chemistry Meets Medical Imaging. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8568-8580. | 7.2 | 415 |
| 14 | A supramolecular microenvironment strategy for transition metal catalysis. <i>Science</i> , 2015, 350, 1235-1238. | 6.0 | 401 |
| 15 | The rational design of high symmetry coordination clusters. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 1185-1200. | 1.1 | 393 |
| 16 | A supramolecular approach to combining enzymatic and transition metal catalysis. <i>Nature Chemistry</i> , 2013, 5, 100-103. | 6.6 | 312 |
| 17 | Enzymelike Catalysis of the Nazarov Cyclization by Supramolecular Encapsulation. <i>Journal of the American Chemical Society</i> , 2010, 132, 6938-6940. | 6.6 | 308 |
| 18 | Coordination chemistry of microbial iron transport compounds. 9. Stability constants for catechol models of enterobactin. <i>Journal of the American Chemical Society</i> , 1978, 100, 5362-5370. | 6.6 | 307 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Coordination chemistry and microbial iron transport. <i>Accounts of Chemical Research</i> , 1979, 12, 183-190. | 7.6 | 302 |
| 20 | Next Generation, High Relaxivity Gadolinium MRI Agents. <i>Bioconjugate Chemistry</i> , 2005, 16, 3-8. | 1.8 | 301 |
| 21 | Self-Assembled Tetrahedral Hosts as Supramolecular Catalysts. <i>Accounts of Chemical Research</i> , 2018, 51, 2447-2455. | 7.6 | 292 |
| 22 | Solution equilibria of enterobactin and metal-enterobactin complexes. <i>Inorganic Chemistry</i> , 1991, 30, 906-911. | 1.9 | 291 |
| 23 | Coordination chemistry of microbial iron transport compounds. 19. Stability constants and electrochemical behavior of ferric enterobactin and model complexes. <i>Journal of the American Chemical Society</i> , 1979, 101, 6097-6104. | 6.6 | 285 |
| 24 | Brilliant Sm, Eu, Tb, and Dy Chiral Lanthanide Complexes with Strong Circularly Polarized Luminescence. <i>Journal of the American Chemical Society</i> , 2007, 129, 77-83. | 6.6 | 278 |
| 25 | Supramolecular Catalysis of a Unimolecular Transformation: Aza-Cope Rearrangement within a Self-Assembled Host. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6748-6751. | 7.2 | 273 |
| 26 | Iron traffics in circulation bound to a siderocalin (Ngal) catechol complex. <i>Nature Chemical Biology</i> , 2010, 6, 602-609. | 3.9 | 270 |
| 27 | The pathogen-associated <i>iroA</i> gene cluster mediates bacterial evasion of lipocalin 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16502-16507. | 3.3 | 264 |
| 28 | Design, Formation and Properties of Tetrahedral M ₄ L ₄ and M ₄ L ₆ Supramolecular Clusters. <i>Journal of the American Chemical Society</i> , 2001, 123, 8923-8938. | 6.6 | 263 |
| 29 | The Lanthanide Contraction Revisited. <i>Journal of the American Chemical Society</i> , 2007, 129, 11153-11160. | 6.6 | 244 |
| 30 | Gd ³⁺ -Hydroxypyridinone (HOPO)-Based High-Relaxivity Magnetic Resonance Imaging (MRI) Contrast Agents. <i>Accounts of Chemical Research</i> , 2009, 42, 938-947. | 7.6 | 230 |
| 31 | Highly Selective Supramolecular Catalyzed Allylic Alcohol Isomerization. <i>Journal of the American Chemical Society</i> , 2007, 129, 2746-2747. | 6.6 | 229 |
| 32 | Molecular Recognition and Stabilization of Iminium Ions in Water. <i>Journal of the American Chemical Society</i> , 2006, 128, 14464-14465. | 6.6 | 216 |
| 33 | Advances in supramolecular host-mediated reactivity. <i>Nature Catalysis</i> , 2020, 3, 969-984. | 16.1 | 216 |
| 34 | Enantioselective Catalysis of the Aza-Cope Rearrangement by a Chiral Supramolecular Assembly. <i>Journal of the American Chemical Society</i> , 2009, 131, 17530-17531. | 6.6 | 215 |
| 35 | Symmetry-Based Metal Complex Cluster Formation. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 1084-1086. | 4.4 | 213 |
| 36 | Synthetic, structural, and physical studies of titanium complexes of catechol and 3,5-di-tert-butylcatechol. <i>Inorganic Chemistry</i> , 1984, 23, 1009-1016. | 1.9 | 211 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Supramolecular assembly dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4793-4796. | 3.3 | 210 |
| 38 | Hydroalkoxylation Catalyzed by a Gold(I) Complex Encapsulated in a Supramolecular Host. Journal of the American Chemical Society, 2011, 133, 7358-7360. | 6.6 | 204 |
| 39 | The Big Squeeze: Guest Exchange in an M4L6 Supramolecular Host. Journal of the American Chemical Society, 2005, 127, 7912-7919. | 6.6 | 201 |
| 40 | Octadentate Cages of Tb(III) 2-Hydroxyisophthalamides: A New Standard for Luminescent Lanthanide Labels. Journal of the American Chemical Society, 2011, 133, 19900-19910. | 6.6 | 198 |
| 41 | Plutonium(IV) Sequestration: Structural and Thermodynamic Evaluation of the Extraordinarily Stable Cerium(IV) Hydroxypyridinonate Complexes. Inorganic Chemistry, 2000, 39, 4156-4164. | 1.9 | 196 |
| 42 | Chiral Amide Directed Assembly of a Diastereo- and Enantiopure Supramolecular Host and its Application to Enantioselective Catalysis of Neutral Substrates. Journal of the American Chemical Society, 2013, 135, 18802-18805. | 6.6 | 193 |
| 43 | Selective Encapsulation of Aqueous Cationic Guests into a Supramolecular Tetrahedral [M4L6]12-Anionic Host. Journal of the American Chemical Society, 1998, 120, 8003-8004. | 6.6 | 190 |
| 44 | Supramolecular Self-Recognition and Self-Assembly in Gallium(III) Catecholamide Triple Helices. Angewandte Chemie International Edition in English, 1997, 36, 1440-1442. | 4.4 | 187 |
| 45 | Selective C-H Bond Activation by a Supramolecular Host-Guest Assembly. Angewandte Chemie - International Edition, 2004, 43, 963-966. | 7.2 | 185 |
| 46 | Enantioselective Guest Binding and Dynamic Resolution of Cationic Ruthenium Complexes by a Chiral Metal-Ligand Assembly. Journal of the American Chemical Society, 2004, 126, 3674-3675. | 6.6 | 181 |
| 47 | Anthrax pathogen evades the mammalian immune system through stealth siderophore production. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18499-18503. | 3.3 | 178 |
| 48 | Supramolecular Catalysis of Unimolecular Rearrangements: Substrate Scope and Mechanistic Insights. Journal of the American Chemical Society, 2006, 128, 10240-10252. | 6.6 | 170 |
| 49 | High Relaxivity Gadolinium Hydroxypyridonate-Viral Capsid Conjugates: Nanosized MRI Contrast Agents. Journal of the American Chemical Society, 2008, 130, 2546-2552. | 6.6 | 165 |
| 50 | Resolution and Kinetic Stability of a Chiral Supramolecular Assembly Made of Labile Components. Angewandte Chemie - International Edition, 2001, 40, 157-160. | 7.2 | 163 |
| 51 | Stabilization of Reactive Organometallic Intermediates Inside a Self-Assembled Nanoscale Host. Angewandte Chemie - International Edition, 2006, 45, 745-748. | 7.2 | 162 |
| 52 | Assembly of Near-Infrared Luminescent Lanthanide Host-Guest Complexes With a Metallacrown Sandwich Motif. Angewandte Chemie - International Edition, 2011, 50, 9660-9664. | 7.2 | 161 |
| 53 | Gadolinium complex of tris[(3-hydroxy-1-methyl-2-pyridyl)ethyl]amine (Tf) (2-oxo-1,2-didehydropyridine-4-carboxylate) resonance relaxation agents. Journal of the American Chemical Society, 1995, 117, 7245-7246. | 6.6 | 159 |
| 54 | Dinuclear Catecholate Helicates: Their Inversion Mechanism. Journal of the American Chemical Society, 1996, 118, 7221-7222. | 6.6 | 150 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | 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, 2798-2805. | 6.6 | 150 |
| 56 | Ferric ion sequestering agents. 2. Kinetics and mechanism of iron removal from transferrin by enterobactin and synthetic tricatechols. <i>Journal of the American Chemical Society</i> , 1979, 101, 5401-5404. | 6.6 | 146 |
| 57 | Symmetry-Driven Rational Design of a Tetrahedral Supramolecular Ti ₄ L ₄ Cluster. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1837-1839. | 7.2 | 145 |
| 58 | Supramolecular Chirality: A Reporter of Structural Memory. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 665-668. | 7.2 | 144 |
| 59 | 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, 17873-17876. | 6.6 | 144 |
| 60 | Resolution of Chiral, Tetrahedral M ₄ L ₆ Metal-Ligand Hosts ¹ . <i>Journal of the American Chemical Society</i> , 2007, 129, 15354-15363. | 6.6 | 142 |
| 61 | Scope and Mechanism of the C-H Bond Activation Reactivity within a Supramolecular Host by an Iridium Guest: A Stepwise Ion Pair Guest Dissociation Mechanism. <i>Journal of the American Chemical Society</i> , 2006, 128, 9781-9797. | 6.6 | 141 |
| 62 | Aza Cope Rearrangement of Propargyl Enammonium Cations Catalyzed By a Self-Assembled "Nanozyme". <i>Journal of the American Chemical Society</i> , 2008, 130, 10977-10983. | 6.6 | 140 |
| 63 | Ferric ion sequestering agents. 6. The spectrophotometric and potentiometric evaluation of sulfonated tricatecholate ligands. <i>Journal of the American Chemical Society</i> , 1981, 103, 2667-2675. | 6.6 | 135 |
| 64 | Magnetic Resonance Contrast Agents from Viral Capsid Shells: A Comparison of Exterior and Interior Cargo Strategies. <i>Nano Letters</i> , 2007, 7, 2207-2210. | 4.5 | 135 |
| 65 | Ferric ion sequestering agents. 14. 1-Hydroxy-2(1H)-pyridinone complexes: properties and structure of a novel iron-iron dimer. <i>Journal of the American Chemical Society</i> , 1985, 107, 6540-6546. | 6.6 | 134 |
| 66 | Stereognostic coordination chemistry. 1. The design and synthesis of chelators for the uranyl ion. <i>Journal of the American Chemical Society</i> , 1992, 114, 8138-8146. | 6.6 | 130 |
| 67 | Ferric ion sequestering agents. 22. Synthesis and characterization of macrobicyclic iron(III) sequestering agents. <i>Journal of the American Chemical Society</i> , 1991, 113, 2965-2977. | 6.6 | 129 |
| 68 | Coordination Chemistry of Microbial Iron Transport. <i>Accounts of Chemical Research</i> , 2015, 48, 2496-2505. | 7.6 | 126 |
| 69 | Octahedral versus trigonal prismatic geometry in a series of catechol macrobicyclic ligand-metal complexes. <i>Journal of the American Chemical Society</i> , 1993, 115, 182-192. | 6.6 | 124 |
| 70 | Spectrophotometric determination of the proton-dependent stability constant of ferric enterobactin. <i>Journal of the American Chemical Society</i> , 1979, 101, 2213-2214. | 6.6 | 120 |
| 71 | Ferric ion sequestering agents. 15. Synthesis, solution chemistry, and electrochemistry of a new cationic analog of enterobactin. <i>Inorganic Chemistry</i> , 1987, 26, 1622-1625. | 1.9 | 120 |
| 72 | Rearrangement Reactions in Dinuclear Triple Helicates ¹ . <i>Inorganic Chemistry</i> , 1997, 36, 5179-5191. | 1.9 | 120 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Bacillibactin-Mediated Iron Transport in <i>Bacillus subtilis</i> . <i>Journal of the American Chemical Society</i> , 2006, 128, 22-23. | 6.6 | 118 |
| 74 | Making Amines Strong Bases: Thermodynamic Stabilization of Protonated Guests in a Highly-Charged Supramolecular Host. <i>Journal of the American Chemical Society</i> , 2007, 129, 11459-11467. | 6.6 | 117 |
| 75 | Catalytic Deprotection of Acetals in Basic Solution with a Self-Assembled Supramolecular "Nanozyme". <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8587-8589. | 7.2 | 117 |
| 76 | Supramolecular Chirality in Coordination Chemistry. , 0, , 147-183. | | 115 |
| 77 | 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, 15468-15470. | 6.6 | 115 |
| 78 | Multivalent, High-Relaxivity MRI Contrast Agents Using Rigid Cysteine-Reactive Gadolinium Complexes. <i>Journal of the American Chemical Society</i> , 2011, 133, 14704-14709. | 6.6 | 115 |
| 79 | Nucleophilic Substitution Catalyzed by a Supramolecular Cavity Proceeds with Retention of Absolute Stereochemistry. <i>Journal of the American Chemical Society</i> , 2014, 136, 14409-14412. | 6.6 | 114 |
| 80 | Rational reduction of the conformational space of a siderophore analog through nonbonded interactions: the role of entropy in enterobactin. <i>Journal of the American Chemical Society</i> , 1993, 115, 6466-6467. | 6.6 | 112 |
| 81 | Coordination chemistry of microbial iron transport. 49. The vanadium(IV) enterobactin complex: structural, spectroscopic, and electrochemical characterization. <i>Journal of the American Chemical Society</i> , 1993, 115, 1842-1851. | 6.6 | 111 |
| 82 | meso Myths: What Drives Assembly of Helical versus meso-[M ₂ L ₃] Clusters?. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2878-2882. | 7.2 | 111 |
| 83 | 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, 9202-9205. | 6.6 | 111 |
| 84 | Guest Exchange Dynamics in an M ₄ L ₆ Tetrahedral Host. <i>Journal of the American Chemical Society</i> , 2006, 128, 1324-1333. | 6.6 | 109 |
| 85 | Triple Helicate Tetrahedral Cluster Interconversion Controlled by Host-Guest Interactions. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1587-1592. | 7.2 | 107 |
| 86 | Lord of the Rings: An Octameric Lanthanum Pyrazolonate Cluster. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2745-2747. | 7.2 | 107 |
| 87 | High-Turnover Supramolecular Catalysis by a Protected Ruthenium(II) Complex in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2011, 133, 11964-11966. | 6.6 | 107 |
| 88 | Self-Assembly of Tetrahedral and Trigonal Antiprismatic Clusters [Fe ₄ (L ₄) ₄] and [Fe ₆ (L ₅) ₆] on the Basis of Trigonal Tris-Bidentate Chelators. <i>Chemistry - A European Journal</i> , 2002, 8, 493-497. | 1.7 | 105 |
| 89 | Rational Design and Assembly of M ₂ M ₃ L ₆ Supramolecular Clusters with C _{3h} Symmetry by Exploiting Incommensurate Symmetry Numbers. <i>Journal of the American Chemical Society</i> , 2001, 123, 2752-2763. | 6.6 | 104 |
| 90 | Dynamic Isomerization of a Supramolecular Tetrahedral M ₄ L ₆ Cluster. <i>Journal of the American Chemical Society</i> , 1999, 121, 4200-4206. | 6.6 | 102 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Ferric ion sequestering agents. 3. The spectrophotometric and potentiometric evaluation of two new enterobactin analogs: 1,5,9-N,N',N''-tris(2,3-dihydroxybenzoyl)cyclotriazatridecane and 1,3,5-N,N',N''-tris(2,3-dihydroxybenzoyl)triaminomethylbenzene. <i>Journal of the American Chemical Society</i> , 1979, 101, 6534-6541. | 6.6 | 100 |
| 92 | Specific sequestering agents for the actinides. 16. Synthesis and initial biological testing of polydentate oxohydroxypyridinecarboxylate ligands. <i>Journal of Medicinal Chemistry</i> , 1988, 31, 11-18. | 2.9 | 100 |
| 93 | 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, 401-407. | 0.3 | 98 |
| 94 | Highly Soluble Tris-hydroxypyridonate Gd(III) Complexes with Increased Hydration Number, Fast Water Exchange, Slow Electronic Relaxation, and High Relaxivity ¹ . <i>Journal of the American Chemical Society</i> , 2007, 129, 1870-1871. | 6.6 | 97 |
| 95 | Syntheses and Relaxation Properties of Mixed Gadolinium Hydroxypyridinonate MRI Contrast Agents. <i>Inorganic Chemistry</i> , 2000, 39, 5747-5756. | 1.9 | 95 |
| 96 | Predicting Efficient Antenna Ligands for Tb(III) Emission. <i>Inorganic Chemistry</i> , 2009, 48, 687-698. | 1.9 | 95 |
| 97 | Exploiting Incommensurate Symmetry Numbers: Rational Design and Assembly of M ₂ M ₃ L ₆ Supramolecular Clusters with C _{3h} Symmetry. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1303-1307. | 7.2 | 94 |
| 98 | Supramolecular Catalysis of Orthoformate Hydrolysis in Basic Solution: An Enzyme-Like Mechanism. <i>Journal of the American Chemical Society</i> , 2008, 130, 11423-11429. | 6.6 | 93 |
| 99 | 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. | 6.6 | 93 |
| 100 | Specific Sequestering Agents for the Actinides. 28. Synthesis and Initial Evaluation of Multidentate 4-Carbamoyl-3-hydroxy-1-methyl-2(1H)-pyridinone Ligands for in Vivo Plutonium(IV) Chelation. <i>Journal of Medicinal Chemistry</i> , 1995, 38, 2606-2614. | 2.9 | 92 |
| 101 | Supramolecular Ga ₄ L ₆ Cage Photosensitizes 1,3-Rearrangement of Encapsulated Guest via Photoinduced Electron Transfer. <i>Journal of the American Chemical Society</i> , 2015, 137, 10128-10131. | 6.6 | 92 |
| 102 | Ferric ion sequestering agents. 1. Hexadentate O-bonding N,N',N''-tris(2,3-dihydroxybenzoyl) derivatives of 1,5,9-triazacyclotridecane and 1,3,5-triaminomethylbenzene. <i>Journal of the American Chemical Society</i> , 1979, 101, 2728-2731. | 6.6 | 91 |
| 103 | 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, 2390-2393. | 6.6 | 90 |
| 104 | Siderophore-Mediated Iron Acquisition Systems in <i>Bacillus cereus</i> : Identification of Receptors for Anthrax Virulence-Associated Petrobactin. <i>Biochemistry</i> , 2009, 48, 3645-3657. | 1.2 | 89 |
| 105 | Self-Assembly of a Three-Dimensional [Ga ₆ (L ₂) ₆] Metal-Ligand Cylinder. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2882-2885. | 7.2 | 88 |
| 106 | Optimization of the Relaxivity of MRI Contrast Agents: Effect of Poly(ethylene glycol) Chains on the Water-Exchange Rates of Gd(III) Complexes. <i>Journal of the American Chemical Society</i> , 2001, 123, 10758-10759. | 6.6 | 87 |
| 107 | The Hydrophobic Effect Drives the Recognition of Hydrocarbons by an Anionic Metal-Ligand Cluster ¹ . <i>Journal of the American Chemical Society</i> , 2007, 129, 12094-12095. | 6.6 | 87 |
| 108 | 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, 1005-1009. | 6.6 | 87 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Scope and Mechanism of Cooperativity at the Intersection of Organometallic and Supramolecular Catalysis. <i>Journal of the American Chemical Society</i> , 2016, 138, 9682-9693. | 6.6 | 86 |
| 110 | Enterobactin Protonation and Iron Release: A Hexadentate Tris-Salicylate Ligands as Models for Triprotonated Ferric Enterobactin ¹ . <i>Journal of the American Chemical Society</i> , 1998, 120, 6277-6286. | 6.6 | 84 |
| 111 | The Role of Guest Molecules in the Self-assembly of Metal-ligand Clusters. <i>Supramolecular Chemistry</i> , 2001, 13, 639-659. | 1.5 | 84 |
| 112 | Dendrimeric Gadolinium Chelate with Fast Water Exchange and High Relaxivity at High Magnetic Field Strength. <i>Journal of the American Chemical Society</i> , 2005, 127, 504-505. | 6.6 | 84 |
| 113 | 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, 12682-12692. | 6.6 | 84 |
| 114 | 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, 2371-2374. | 7.2 | 84 |
| 115 | A Tris-hydroxymethyl-Substituted Derivative of Gd-TREN-Me-3,2-HOPO: An MRI Relaxation Agent with Improved Efficiency. <i>Journal of the American Chemical Society</i> , 2000, 122, 11228-11229. | 6.6 | 83 |
| 116 | Stereoselectivity in chiral iron(III) and gallium(III) tris(catecholate) complexes effected by nonbonded weakly polar interactions. <i>Journal of the American Chemical Society</i> , 1993, 115, 6115-6125. | 6.6 | 82 |
| 117 | Substituent Effects on Gd(III)-Based MRI Contrast Agents: Optimizing the Stability and Selectivity of the Complex and the Number of Coordinated Water Molecules ¹ . <i>Inorganic Chemistry</i> , 2006, 45, 8355-8364. | 1.9 | 82 |
| 118 | Enzyme-like Control of Carbocation Deprotonation Regioselectivity in Supramolecular Catalysis of the Nazarov Cyclization. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10570-10573. | 7.2 | 82 |
| 119 | A Highly Stable Gadolinium Complex with a Fast, Associative Mechanism of Water Exchange. <i>Journal of the American Chemical Society</i> , 2003, 125, 14274-14275. | 6.6 | 81 |
| 120 | Encapsulation of Cationic Ruthenium Complexes into a Chiral Self-Assembled Cage. <i>Inorganic Chemistry</i> , 2004, 43, 846-848. | 1.9 | 81 |
| 121 | Deconvoluting the Role of Charge in a Supramolecular Catalyst. <i>Journal of the American Chemical Society</i> , 2018, 140, 6591-6595. | 6.6 | 81 |
| 122 | Structural Criteria for the Rational Design of Selective Ligands. 3. Quantitative Structure-Stability Relationship for Iron(III) Complexation by Tris-Catecholamide Siderophores. <i>Inorganic Chemistry</i> , 2001, 40, 3922-3935. | 1.9 | 80 |
| 123 | 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, 21854-21859. | 3.3 | 80 |
| 124 | Petrobactin-Mediated Iron Transport in Pathogenic Bacteria: Coordination Chemistry of an Unusual 3,4-Catecholate/Citrate Siderophore. <i>Journal of the American Chemical Society</i> , 2008, 130, 2124-2125. | 6.6 | 79 |
| 125 | The Self-Assembly of a [Ga ₄ L ₆] ₁₂ -Tetrahedral Cluster Thermodynamically Driven by Host-Guest Interactions. <i>Inorganic Chemistry</i> , 2001, 40, 5157-5161. | 1.9 | 78 |
| 126 | Biphasic kinetics and temperature dependence of iron removal from transferrin by 3,4-LICAMS. <i>Journal of the American Chemical Society</i> , 1986, 108, 6212-6218. | 6.6 | 77 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Transferrin: the role of conformational changes in iron removal by chelators. <i>Journal of the American Chemical Society</i> , 1993, 115, 6758-6764. | 6.6 | 77 |
| 128 | Toward Optimized High-Relaxivity MRI Agents: The Effect of Ligand Basicity on the Thermodynamic Stability of Hexadentate Hydroxypyridonate/Catecholate Gadolinium(III) Complexes. <i>Inorganic Chemistry</i> , 2003, 42, 4930-4937. | 1.9 | 77 |
| 129 | An Extremely Stable and Highly Luminescent 1,2-Hydroxypyridinonate Chelate of Eu(III). <i>Journal of the American Chemical Society</i> , 2006, 128, 10648-10649. | 6.6 | 77 |
| 130 | Ferric ion sequestering agents. 17. Macrobicyclic iron(III) sequestering agents. <i>Journal of the American Chemical Society</i> , 1987, 109, 7196-7198. | 6.6 | 76 |
| 131 | Enterobactin Protonation and Iron Release: Structural Characterization of the Salicylate Coordination Shift in Ferric Enterobactin1. <i>Journal of the American Chemical Society</i> , 2006, 128, 8920-8931. | 6.6 | 76 |
| 132 | Host within a Host: Encapsulation of Alkali Ion-Crown Ether Complexes into a [Ga4L6]12 Supramolecular Cluster. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1239-1242. | 7.2 | 75 |
| 133 | Large M4L4 (M = Al(III), Ga(III), In(III), Ti(IV)) Tetrahedral Coordination Cages: an Extension of Symmetry-Based Design. <i>Inorganic Chemistry</i> , 2005, 44, 6228-6239. | 1.9 | 75 |
| 134 | Hydroxypyridinone Complexes of Near-Infrared (NIR) Emitting Lanthanides: Sensitization of Holmium(III) and Praseodymium(III) in Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9500-9503. | 7.2 | 75 |
| 135 | Selbsterkennung und -organisation bei der Bildung von Gallium(III)-Tripelhelicaten mit Brenzcatechin-haltigen Liganden. <i>Angewandte Chemie</i> , 1997, 109, 1508-1510. | 1.6 | 74 |
| 136 | Self-Assembly of {2}-Metallacryptands and {2}-Metallacryptates. , 1998, 1998, 1313-1317. | | 74 |
| 137 | Uranyl Sequestering Agents: Correlation of Properties and Efficacy with Structure for UO ₂ ²⁺ Complexes of Linear Tetradentate 1-Methyl-3-hydroxy-2(1H)-pyridinone Ligands1. <i>Inorganic Chemistry</i> , 1999, 38, 308-315. | 1.9 | 74 |
| 138 | CHELATING AGENTS FOR URANIUM(VI): 2. EFFICACY AND TOXICITY OF TETRADENTATE CATECHOLATE AND HYDROXYPYRIDINONATE LIGANDS IN MICE. <i>Health Physics</i> , 2000, 78, 511-521. | 0.3 | 74 |
| 139 | High-Yield Synthesis of the Enterobactin Trilactone and Evaluation of Derivative Siderophore Analogs1. <i>Journal of the American Chemical Society</i> , 1997, 119, 10093-10103. | 6.6 | 71 |
| 140 | Fast biological iron chelators: kinetics of iron removal from human diferric transferrin by multidentate hydroxypyridonates. <i>Journal of Biological Inorganic Chemistry</i> , 2000, 5, 634-641. | 1.1 | 70 |
| 141 | The First Structural Characterization of a Metal-Enterobactin Complex: [V(enterobactin)] ²⁻ . <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 466-468. | 4.4 | 69 |
| 142 | Symmetriegesteuerte Bildung von Metallclustern. <i>Angewandte Chemie</i> , 1996, 108, 1166-1168. | 1.6 | 69 |
| 143 | Time Gating Improves Sensitivity in Energy Transfer Assays with Terbium Chelate/Dark Quencher Oligonucleotide Probes. <i>Journal of the American Chemical Society</i> , 2004, 126, 16451-16455. | 6.6 | 69 |
| 144 | Highly Luminescent Lanthanide Complexes of 1-Hydroxy-2-pyridinones. <i>Inorganic Chemistry</i> , 2008, 47, 3105-3118. | 1.9 | 69 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | 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, 4006-4015. | 6.6 | 68 |
| 146 | The effect of host structure on the selectivity and mechanism of supramolecular catalysis of Prins cyclizations. <i>Chemical Science</i> , 2015, 6, 1383-1393. | 3.7 | 68 |
| 147 | Preorganization of Ferric Alcaligin, Fe ₂ L ₃ . The First Structure of a Ferric Dihydroxamate Siderophore. <i>Journal of the American Chemical Society</i> , 1996, 118, 5148-5149. | 6.6 | 66 |
| 148 | A Supramolecular Strategy for Selective Catalytic Hydrogenation Independent of Remote Chain Length. <i>Journal of the American Chemical Society</i> , 2019, 141, 11806-11810. | 6.6 | 66 |
| 149 | Actinide-specific complexing agents: Their structural and solution chemistry. <i>Inorganica Chimica Acta</i> , 1984, 94, 193-204. | 1.2 | 65 |
| 150 | Design and Formation of a Large Tetrahedral Cluster Using 1,1'-Binaphthyl Ligands. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6062-6064. | 7.2 | 65 |
| 151 | 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, 10868-10870. | 1.9 | 65 |
| 152 | Structural Consequences of Anionic Host ⁻ Cationic Guest Interactions in a Supramolecular Assembly. <i>Inorganic Chemistry</i> , 2009, 48, 111-120. | 1.9 | 65 |
| 153 | Effects of ionic strength on iron removal from the monoferric transferrins. <i>Inorganic Chemistry</i> , 1988, 27, 1436-1441. | 1.9 | 64 |
| 154 | Iron(III) coordination chemistry of linear dihydroxyserine compounds derived from enterobactin. <i>Inorganic Chemistry</i> , 1991, 30, 900-906. | 1.9 | 64 |
| 155 | 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, 2816-2819. | 6.6 | 64 |
| 156 | Gadolinium(III) 1,2-Hydroxypyridonate-Based Complexes: Toward MRI Contrast Agents of High Relaxivity. <i>Inorganic Chemistry</i> , 2004, 43, 5492-5494. | 1.9 | 63 |
| 157 | Microbial Evasion of the Immune System: Structural Modifications of Enterobactin Impair Siderocalin Recognition. <i>Journal of the American Chemical Society</i> , 2006, 128, 10998-10999. | 6.6 | 63 |
| 158 | Structurally Characterized Quadruple-Stranded Bisbidentate Helicates. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6480-6485. | 7.2 | 63 |
| 159 | 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. | 6.6 | 63 |
| 160 | Selectivity of Ferric Enterobactin Binding and Cooperativity of Transport in Gram-Negative Bacteria. <i>Journal of Bacteriology</i> , 1998, 180, 6689-6696. | 1.0 | 63 |
| 161 | Water-Soluble 2-Hydroxyisophthalamides for Sensitization of Lanthanide Luminescence. <i>Inorganic Chemistry</i> , 2008, 47, 7535-7544. | 1.9 | 62 |
| 162 | Enhanced iron(III) chelation through ligand predisposition: syntheses, structures and stability of tris-catecholate enterobactin analogs. <i>Inorganica Chimica Acta</i> , 1997, 263, 341-355. | 1.2 | 61 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | The Acid Hydrolysis Mechanism of Acetals Catalyzed by a Supramolecular Assembly in Basic Solution. <i>Journal of Organic Chemistry</i> , 2009, 74, 58-63. | 1.7 | 61 |
| 164 | Does Size Really Matter? The Steric Isotope Effect in a Supramolecular Host-Guest Exchange Reaction. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3635-3637. | 7.2 | 61 |
| 165 | Specific sequestering agents for the actinides. 3. Polycatecholate ligands derived from 2,3-dihydroxy-5-sulfobenzoyl conjugates of diaza- and tetraazaalkanes. <i>Journal of the American Chemical Society</i> , 1980, 102, 2289-2293. | 6.6 | 60 |
| 166 | Synthesis and Metal Binding Properties of Salicylate-, Catecholate-, and Hydroxypyridinonate-Functionalized Dendrimers. <i>Chemistry - A European Journal</i> , 2001, 7, 272-279. | 1.7 | 60 |
| 167 | Supramolecular Asymmetric Induction in Dinuclear Triple-Stranded Helicates. <i>Inorganic Chemistry</i> , 2006, 45, 1130-1139. | 1.9 | 59 |
| 168 | Gallium(III) Catecholate Complexes as Probes for the Kinetics and Mechanism of Inversion and Isomerization of Siderophore Complexes. <i>Journal of the American Chemical Society</i> , 1996, 118, 5712-5721. | 6.6 | 58 |
| 169 | Imposition of Chirality in a Dinuclear Triple-Stranded Helicate by Ion Pair Formation. <i>Inorganic Chemistry</i> , 2001, 40, 2216-2217. | 1.9 | 58 |
| 170 | 1,2-Hydroxypyridonates as Contrast Agents for Magnetic Resonance Imaging: TREN-1,2-HOPO. <i>Inorganic Chemistry</i> , 2007, 46, 9182-9191. | 1.9 | 58 |
| 171 | 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. | 1.6 | 58 |
| 172 | Ferric ion sequestering agents. 20. 2,3-Dihydroxyterephthalamides: highly efficient iron(III)-chelating agents. <i>Inorganic Chemistry</i> , 1989, 28, 128-133. | 1.9 | 57 |
| 173 | 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, 10438-10443. | 3.3 | 56 |
| 174 | Synthesis of a Ligand Based upon a New Entry into the 3-Hydroxy-N-alkyl-2(1H)-pyridinone Ring System and Thermodynamic Evaluation of Its Gadolinium Complex. <i>Inorganic Chemistry</i> , 2000, 39, 2652-2660. | 1.9 | 55 |
| 175 | Siderocalins: Siderophore binding proteins evolved for primary pathogen host defense. <i>Current Opinion in Chemical Biology</i> , 2013, 17, 150-157. | 2.8 | 55 |
| 176 | Biochemical and Physical Properties of Siderophores. , 2014, , 1-17. | | 52 |
| 177 | Combinatorial Libraries of Metal-Ligand Assemblies with an Encapsulated Guest Molecule. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 733-736. | 7.2 | 51 |
| 178 | Sequestered Plutonium: [PuIV{5LIO(Me-3,2-HOPO)} ₂]?The First Structurally Characterized Plutonium Hydroxypyridonate Complex. <i>Chemistry - A European Journal</i> , 2005, 11, 2842-2848. | 1.7 | 51 |
| 179 | The Role of Electrostatics in Siderophore Recognition by the Immunoprotein Siderocalin-1. <i>Journal of the American Chemical Society</i> , 2008, 130, 17584-17592. | 6.6 | 51 |
| 180 | Encapsulation of Protonated Diamines in a Water-Soluble, Chiral, Supramolecular Assembly Allows for Measurement of Hydrogen-Bond Breaking Followed by Nitrogen Inversion/Rotation. <i>Journal of the American Chemical Society</i> , 2008, 130, 6362-6366. | 6.6 | 51 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | Catechol Siderophore Transport by <i>Vibrio cholerae</i> . <i>Journal of Bacteriology</i> , 2015, 197, 2840-2849. | 1.0 | 50 |
| 182 | Thorium(IV) Complexes of Bidentate Hydroxypyridinonates1. <i>Inorganic Chemistry</i> , 2003, 42, 2665-2674. | 1.9 | 49 |
| 183 | Tuning the Coordination Number of Hydroxypyridonate-Based Gadolinium Complexes:Â Implications for MRI Contrast Agents1. <i>Journal of the American Chemical Society</i> , 2006, 128, 5344-5345. | 6.6 | 49 |
| 184 | Hexadentate Hydroxypyridonate Iron Chelators Based on TREN-Me-3,2-HOPO:Â Variation of Cap Size1. <i>Inorganic Chemistry</i> , 2002, 41, 6731-6742. | 1.9 | 47 |
| 185 | Circularly Polarized Luminescence of Curium: A New Characterization of the 5f Actinide Complexes. <i>Journal of the American Chemical Society</i> , 2012, 134, 15545-15549. | 6.6 | 47 |
| 186 | Origins of Large Rate Enhancements in the Nazarov Cyclization Catalyzed by Supramolecular Encapsulation. <i>Chemistry - A European Journal</i> , 2014, 20, 3966-3973. | 1.7 | 47 |
| 187 | Mixed Hydroxypyridinonate Ligands as Iron Chelators1. <i>Inorganic Chemistry</i> , 2000, 39, 4339-4346. | 1.9 | 46 |
| 188 | A Silver-Linked Supramolecular Cluster Encapsulating a Cesium Cationâ€. <i>Inorganic Chemistry</i> , 2001, 40, 4504-4506. | 1.9 | 46 |
| 189 | Corynebactin and Enterobactin:Â Related Siderophores of Opposite Chirality. <i>Journal of the American Chemical Society</i> , 2002, 124, 2436-2437. | 6.6 | 46 |
| 190 | Fe(III)-Templated Gd(III) Self-AssembliesA New Route toward Macromolecular MRI Contrast Agents1. <i>Journal of the American Chemical Society</i> , 2006, 128, 9272-9273. | 6.6 | 46 |
| 191 | Siderophore-mediated iron transport in <i>Bacillus subtilis</i> and <i>Corynebacterium glutamicum</i> . <i>Journal of Biological Inorganic Chemistry</i> , 2006, 11, 1087-1097. | 1.1 | 46 |
| 192 | Encapsulated Guestâ”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, 16256-16264. | 6.6 | 46 |
| 193 | Specific sequestering agents for the actinides. 2. A ligand field effect in the crystal and molecular structures of tetrakis(catecholato)uranate(IV) and -thorate(IV). <i>Journal of the American Chemical Society</i> , 1978, 100, 7882-7887. | 6.6 | 45 |
| 194 | Silica Microparticles as a Solid Support for Gadolinium Phosphonate Magnetic Resonance Imaging Contrast Agents. <i>Journal of the American Chemical Society</i> , 2012, 134, 8046-8049. | 6.6 | 45 |
| 195 | Improving T_1 and T_2 magnetic resonance imaging contrast agents through the conjugation of an esteramide dendrimer to highâ€waterâ€coordination Gd(III) hydroxypyridinone complexes. <i>Contrast Media and Molecular Imaging</i> , 2012, 7, 95-99. | 0.4 | 45 |
| 196 | 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. | 1.1 | 45 |
| 197 | 6-Carboxamido-5,4-Hydroxypyrimidinones:Â A New Class of Heterocyclic Ligands and Their Evaluation as Gadolinium Chelating Agents. <i>Inorganic Chemistry</i> , 2001, 40, 6746-6756. | 1.9 | 44 |
| 198 | Supramolecular Chirality: A Reporter of Structural Memory. <i>Angewandte Chemie</i> , 2003, 115, 689-692. | 1.6 | 44 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 199 | 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, 4299-4306. | 6.6 | 44 |
| 200 | Circularly Polarized Luminescence in Enantiopure Europium and Terbium Complexes with Modular, All-Oxygen Donor Ligands. <i>Inorganic Chemistry</i> , 2009, 48, 8469-8479. | 1.9 | 43 |
| 201 | Supramolecular Host-Selective Activation of Iodoarenes by Encapsulated Organometallics. <i>Journal of the American Chemical Society</i> , 2019, 141, 1701-1706. | 6.6 | 43 |
| 202 | Simultaneously bound guests and chiral recognition: a chiral self-assembled supramolecular host encapsulates hydrophobic guests. <i>Tetrahedron</i> , 2008, 64, 8362-8367. | 1.0 | 42 |
| 203 | Equilibrium Isotope Effects on Noncovalent Interactions in a Supramolecular Host-Guest System. <i>Journal of the American Chemical Society</i> , 2012, 134, 2057-2066. | 6.6 | 42 |
| 204 | Macrobicyclic Tris(catecholate ligand) complexes: Spectroscopy, Electrochemistry, and the Structure of $K_2[(H_2\text{-biccappedTREN}CAM)MoO_2]$. <i>Inorganic Chemistry</i> , 1994, 33, 5785-5793. | 1.9 | 41 |
| 205 | Dangling Arms: A Tetrahedral Supramolecular Host with Partially Encapsulated Guests. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 83-86. | 7.2 | 41 |
| 206 | Aryl-Bridged 1-Hydroxypyridin-2-one: Sensitizer Ligands for Eu(III). <i>Inorganic Chemistry</i> , 2008, 47, 6109-6111. | 1.9 | 41 |
| 207 | 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, 7942-7956. | 6.6 | 41 |
| 208 | Specific sequestering agents for the actinides. 1. N,N',N'',N''''-Tetra(2,3-dihydroxybenzoyl)tetraazacyclotetra- and -hexadecanes. <i>Journal of the American Chemical Society</i> , 1978, 100, 1170-1172. | 6.6 | 40 |
| 209 | 1,2-Hydroxypyridonate/Terephthalamide Complexes of Gadolinium(III): Synthesis, Stability, Relaxivity, and Water Exchange Properties. <i>Inorganic Chemistry</i> , 2009, 48, 277-286. | 1.9 | 40 |
| 210 | Sulfonated catecholamide analogs of enterobactin as iron sequestering agents. <i>Journal of Medicinal Chemistry</i> , 1979, 22, 1281-1283. | 2.9 | 39 |
| 211 | The Hexadentate Hydroxypyridinonate $TREN(Me_3,2\text{-HOPO})$ is a More Orally Active Iron Chelator Than Its Bidentate Analogue. <i>Journal of Pharmaceutical Sciences</i> , 2000, 89, 545-555. | 1.6 | 39 |
| 212 | Large cooperativity in the removal of iron from transferrin at physiological temperature and chloride ion concentration. <i>Journal of Biological Inorganic Chemistry</i> , 2004, 9, 936-944. | 1.1 | 39 |
| 213 | Hetero-Tripodal Hydroxypyridonate Gadolinium Complexes: Syntheses, Relaxometric Properties, Water Exchange Dynamics, and Human Serum Albumin Binding. <i>Inorganic Chemistry</i> , 2004, 43, 8577-8586. | 1.9 | 39 |
| 214 | Optimized Relaxivity and Stability of $[Gd(H(2,2)\text{-}1,2\text{-HOPO})(H_2O)]$ -for Use as an MRI Contrast Agent. <i>Inorganic Chemistry</i> , 2007, 46, 4796-4798. | 1.9 | 39 |
| 215 | A Nanovessel-Catalyzed Three-Component Aza-Darzens Reaction. <i>Journal of the American Chemical Society</i> , 2020, 142, 733-737. | 6.6 | 39 |
| 216 | Ferric ion sequestering agents. 11. Synthesis and kinetics of iron removal from transferrin of catechoyl derivatives of desferrioxamine B. <i>Journal of Medicinal Chemistry</i> , 1983, 26, 439-442. | 2.9 | 38 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 217 | The spectroelectrochemical determination of the reduction potential of ferric serum transferrin. <i>BBA - Proteins and Proteomics</i> , 1988, 956, 85-94. | 2.1 | 38 |
| 218 | Tris(pyrene) Chelates of Gd(III) as High Solubility MRI-CA. <i>Journal of the American Chemical Society</i> , 2006, 128, 2222-2223. | 6.6 | 38 |
| 219 | Strong Circularly Polarized Luminescence from Highly Emissive Terbium Complexes in Aqueous Solution. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 3343-3347. | 1.0 | 38 |
| 220 | Porphyrim-Substituted H-NOX Proteins as High-Relaxivity MRI Contrast Agents. <i>Inorganic Chemistry</i> , 2013, 52, 2277-2279. | 1.9 | 38 |
| 221 | Stereognostic coordination chemistry 4 the design and synthesis of a selective uranyl ion complexant. <i>Inorganica Chimica Acta</i> , 1995, 240, 593-601. | 1.2 | 37 |
| 222 | An Octadentate Luminescent Eu(III) 1,2-HOPO Chelate with Potent Aqueous Stability. <i>Inorganic Chemistry</i> , 2007, 46, 5468-5470. | 1.9 | 37 |
| 223 | 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, 4156-4166. | 1.9 | 37 |
| 224 | ¹ H NMR Chemical Shift Calculations as a Probe of Supramolecular Host-Guest Geometry. <i>Journal of the American Chemical Society</i> , 2011, 133, 11205-11212. | 6.6 | 37 |
| 225 | Analysis of Lanthanide Complex Dendrimer Conjugates for Bimodal NIR and MRI Imaging. <i>Macromolecules</i> , 2012, 45, 8982-8990. | 2.2 | 36 |
| 226 | Catecholate/Salicylate Heteropodands: Demonstration of a Catecholate to Salicylate Coordination Change. <i>Inorganic Chemistry</i> , 2000, 39, 3624-3631. | 1.9 | 35 |
| 227 | Impact of Host Flexibility on Selectivity in a Supramolecular Host-Catalyzed Enantioselective aza-Darzens Reaction. <i>Journal of the American Chemical Society</i> , 2022, 144, 11425-11433. | 6.6 | 35 |
| 228 | Specific Sequestering Agents for the Actinides: 4. Removal of ²³⁸ Pu(IV) from Mice by Sulfonated Tetrameric Catechoyl Amides. <i>Radiation Research</i> , 1980, 81, 170. | 0.7 | 34 |
| 229 | In Vivo Evaluation of Gadolinium Hydroxypyridonate Chelates: Initial Experience as Contrast Media in Magnetic Resonance Imaging. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 3874-3877. | 2.9 | 34 |
| 230 | Iron uptake in ferritin is blocked by binding of [Cr(TREN)(H ₂ O)(OH)] ²⁺ , a slow dissociating model for [Fe(H ₂ O) ₆] ²⁺ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 5195-5200. | 3.3 | 33 |
| 231 | 1,2-HOIQOa Highly Versatile 1,2-HOPO Analogue. <i>Inorganic Chemistry</i> , 2007, 46, 351-353. | 1.9 | 33 |
| 232 | 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, 4186-4191. | 6.6 | 33 |
| 233 | Hydrogen Bonding in Catechoylamides. <i>Journal of Coordination Chemistry</i> , 1992, 25, 241-253. | 0.8 | 32 |
| 234 | The Effect of Ligand Scaffold Size on the Stability of Tripodal Hydroxypyridonate Gadolinium Complexes. <i>Inorganic Chemistry</i> , 2003, 42, 2577-2583. | 1.9 | 32 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 235 | Campylobacter jejuni ferric ³⁺ enterobactin receptor CfrA is TonB3 dependent and mediates iron acquisition from structurally different catechol siderophores. Metallomics, 2013, 5, 988. | 1.0 | 32 |
| 236 | Diffusion of a Highly Charged Supramolecular Assembly: Direct Observation of Ion Association in Water. Inorganic Chemistry, 2008, 47, 1411-1413. | 1.9 | 31 |
| 237 | Synthesis of Homochiral Tris(2-alkyl-2-aminoethyl)amine Derivatives from Chiral α -Amino Aldehydes and Their Application in the Synthesis of Water Soluble Chelators. Inorganic Chemistry, 2001, 40, 3208-3216. | 1.9 | 30 |
| 238 | Synthesis and Thermodynamic Evaluation of Mixed Hexadentate Linear Iron Chelators Containing Hydroxypyridinone and Terephthalamide Units. Inorganic Chemistry, 2006, 45, 3622-3631. | 1.9 | 30 |
| 239 | <i>Bacillus cereus</i> iron uptake protein fishes out an unstable ferric citrate trimer. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16829-16834. | 3.3 | 30 |
| 240 | Direct Evidence of Iron Uptake by the Gram-Positive Siderophore-Shuttle Mechanism without Iron Reduction. ACS Chemical Biology, 2014, 9, 2092-2100. | 1.6 | 30 |
| 241 | Galline Ex-FABP Is an Antibacterial Siderocalin and a Lysophosphatidic Acid Sensor Functioning through Dual Ligand Specificities. Structure, 2011, 19, 1796-1806. | 1.6 | 29 |
| 242 | A Macrocyclic Chelator That Selectively Binds Ln ⁴⁺ over Ln ³⁺ by a Factor of 10 ²⁹ . Inorganic Chemistry, 2016, 55, 9989-10002. | 1.9 | 29 |
| 243 | Tren-Based Analogues of Bacillibactin: Structure and Stability. Inorganic Chemistry, 2006, 45, 5465-5478. | 1.9 | 28 |
| 244 | Surprising Coordination Geometry Differences in Ce ^{IV} and Pu ^{IV} Maltol Complexes. European Journal of Inorganic Chemistry, 2008, 2008, 2143-2147. | 1.0 | 28 |
| 245 | Conjugation to Biocompatible Dendrimers Increases Lanthanide ¹ T ₂ Relaxivity of Hydroxypyridinone Complexes for Magnetic Resonance Imaging. European Journal of Inorganic Chemistry, 2012, 2012, 2108-2114. | 1.0 | 28 |
| 246 | Chemoselective and Site-Selective Reductions Catalyzed by a Supramolecular Host and a Pyridine-Borane Cofactor. Journal of the American Chemical Society, 2021, 143, 2108-2114. | 6.6 | 28 |
| 247 | Toward Optimized High-Relaxivity MRI Agents: Thermodynamic Selectivity of Hydroxypyridonate/Catecholate Ligands. Inorganic Chemistry, 2004, 43, 8520-8525. | 1.9 | 27 |
| 248 | Characterization of a Mixed Salt of 1-Hydroxypyridin-2-one Pu(IV) Complexes. Journal of the American Chemical Society, 2007, 129, 6674-6675. | 6.6 | 27 |
| 249 | Immune Interference in <i>Mycobacterium tuberculosis</i> Intracellular Iron Acquisition through Siderocalin Recognition of Carboxymycobactins. ACS Chemical Biology, 2011, 6, 1327-1331. | 1.6 | 27 |
| 250 | Heterogeneous Supramolecular Catalysis through Immobilization of Anionic M ₄ L ₆ Assemblies on Cationic Polymers. Journal of the American Chemical Society, 2020, 142, 19327-19338. | 6.6 | 27 |
| 251 | Corynebactin and a Serine Trilactone Based Analogue: Chirality and Molecular Modeling of Ferric Complexes. Inorganic Chemistry, 2002, 41, 5475-5478. | 1.9 | 26 |
| 252 | Effects of Ligand Geometry on the Photophysical Properties of Photoluminescent Eu(III) and Sm(III) 1-Hydroxypyridin-2-one Complexes in Aqueous Solution. Inorganic Chemistry, 2016, 55, 114-124. | 1.9 | 26 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 253 | Acceleration of Amide Bond Rotation by Encapsulation in the Hydrophobic Interior of a Water-Soluble Supramolecular Assembly. <i>Journal of Organic Chemistry</i> , 2008, 73, 7132-7136. | 1.7 | 25 |
| 254 | Influence of Linker Geometry on Uranyl Complexation by Rigidly Linked Bis(3-hydroxy-N-methyl-pyridin-2-one). <i>Inorganic Chemistry</i> , 2010, 49, 6755-6765. | 1.9 | 25 |
| 255 | The structure and properties of tetrakis(tironato)cerate(IV), Na ₁₂ [Ce(C ₆ H ₂ O ₂ (SO ₃) ₂) ₄]·9H ₂ O·6C ₃ H ₇ NO. <i>Inorganica Chimica Acta</i> , 1986, 122, 111-118. | 1.2 | 24 |
| 256 | Umwandlung eines Tripelhelicats in einen Tetraedercluster mittels Wirt-Gast-Wechselwirkungen. , 1999, 111, 1689. | | 24 |
| 257 | 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. | 3.3 | 24 |
| 258 | Kinetically Inert Complexes of the Siderophores in Studies of Microbial Iron Transport. <i>Advances in Chemistry Series</i> , 1977, , 33-54. | 0.6 | 23 |
| 259 | Characterization of self-assembled supramolecular [Ga ₄ L ₆] host-guest complexes by electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 292-296. | 1.2 | 23 |
| 260 | 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, 11489-11491. | 1.9 | 23 |
| 261 | Ferric ion sequestering agents. 12. Gallium and indium imaging agents. 4. Lipophilic enterobactin analogs. Stabilities of the gallium and ferric ion complexes of terminally N-substituted catechoylamines. <i>Inorganic Chemistry</i> , 1985, 24, 2447-2452. | 1.9 | 22 |
| 262 | Specific sequestering agents for the actinides. 21. Synthesis and initial biological testing of octadentate mixed catecholate-hydroxypyridinonate ligands. <i>Journal of Medicinal Chemistry</i> , 1993, 36, 504-509. | 2.9 | 22 |
| 263 | Eu(III) Complexes of Functionalized Octadentate 1-Hydroxypyridin-2-ones: Stability, Bioconjugation, and Luminescence Resonance Energy Transfer Studies. <i>Inorganic Chemistry</i> , 2010, 49, 9928-9939. | 1.9 | 22 |
| 264 | The Influence of Linker Geometry in Bis(3-hydroxy-N-methylpyridin-2-one) Ligands on Solution Phase Uranyl Affinity. <i>Chemistry - A European Journal</i> , 2011, 17, 1818-1827. | 1.7 | 22 |
| 265 | Coordination chemistry of lanthanide catecholates. <i>Inorganica Chimica Acta</i> , 1988, 147, 115-121. | 1.2 | 21 |
| 266 | An eight-coordinate cage: synthesis and structure of the first macrotricyclic tetraterephthalamide ligand. <i>Inorganic Chemistry</i> , 1992, 31, 4903-4905. | 1.9 | 21 |
| 267 | Metal Oxo Cation Receptors: Multimode Coordination to the Dioxoosmium(VI) Cation. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1359-1362. | 4.4 | 21 |
| 268 | A Streamlined Synthesis for 2,3-Dihydroxyterephthalamides. <i>Organic Letters</i> , 2001, 3, 2827-2830. | 2.4 | 21 |
| 269 | Ionic versus nonionic MR imaging contrast media: Operational definitions. <i>Journal of Magnetic Resonance Imaging</i> , 1992, 2, 95-98. | 1.9 | 20 |
| 270 | 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, 8571-8573. | 1.9 | 20 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 271 | Aryl Bridged 1-Hydroxypyridin-2-one: Effect of the Bridge on the Eu(III) Sensitization Process. <i>Inorganic Chemistry</i> , 2009, 48, 9316-9324. | 1.9 | 20 |
| 272 | Terephthalamide-Containing Analogues of TREN-Me-3,2-HOPO. <i>Inorganic Chemistry</i> , 2006, 45, 1078-1090. | 1.9 | 19 |
| 273 | Phosphorus caged. <i>Nature</i> , 2009, 460, 585-586. | 13.7 | 19 |
| 274 | Synthesis and evaluation of an enterobactin model compound. 1,3,5-Tris-(2,3-dihydroxybenzoylaminoethyl)benzene and its iron(III) complex. <i>Journal of the Chemical Society Chemical Communications</i> , 1979, , 177. | 2.0 | 18 |
| 275 | A Novel Salicylate-Based Macrobicycle with a "Split Personality". <i>Inorganic Chemistry</i> , 1999, 38, 4522-4529. | 1.9 | 18 |
| 276 | Terephthalamide-containing ligands: fast removal of iron from transferrin. <i>Journal of Biological Inorganic Chemistry</i> , 2008, 13, 229-240. | 1.1 | 18 |
| 277 | Multidentate Terephthalamidate and Hydroxypyridonate Ligands: Towards New Orally Active Chelators. <i>Hemoglobin</i> , 2011, 35, 276-290. | 0.4 | 18 |
| 278 | Different and Often Opposing Forces Drive the Encapsulation and Multiple Exterior Binding of Charged Guests to a M ₄ L ₆ Supramolecular Vessel in Water. <i>Chemistry - A European Journal</i> , 2017, 23, 16813-16818. | 1.7 | 18 |
| 279 | 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. | 0.7 | 18 |
| 280 | Hydroxypyridinone Extraction Agents for Pu(IV). <i>Solvent Extraction and Ion Exchange</i> , 2004, 22, 1037-1068. | 0.8 | 17 |
| 281 | A Bidentate Terephthalamide Ligand, TAMmeg, as an Entry into Terephthalamide-Containing Therapeutic Iron Chelating Agents. <i>Inorganic Chemistry</i> , 2006, 45, 2438-2447. | 1.9 | 17 |
| 282 | Uranyl sequestration: synthesis and structural characterization of uranyl complexes with a tetradentate methylterephthalamide ligand. <i>Chemical Communications</i> , 2011, 47, 6392. | 2.2 | 17 |
| 283 | Electrospray ionization ion trap mass spectrometry of a tetrahedral supramolecular Ti ₄ L ₄ cluster. <i>Journal of the American Society for Mass Spectrometry</i> , 1998, 9, 1099-1103. | 1.2 | 16 |
| 284 | 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, 15303-15307. | 3.3 | 16 |
| 285 | 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. | 1.5 | 16 |
| 286 | EXTRACTION OF PLUTONIUM BY CHELATING HYDROXYPYRIDINONE AND CATECHOLAMIDE RESINS. <i>Solvent Extraction and Ion Exchange</i> , 1999, 17, 1327-1353. | 0.8 | 15 |
| 287 | Optimization of the Sensitization Process and Stability of Octadentate Eu(III) 1,2-HOPO Complexes. <i>Inorganic Chemistry</i> , 2015, 54, 6807-6820. | 1.9 | 15 |
| 288 | Source of Rate Acceleration for Carbocation Cyclization in Biomimetic Supramolecular Cages. <i>Journal of the American Chemical Society</i> , 2022, 144, 11413-11424. | 6.6 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 289 | Aqueous Ln(III) Luminescence Agents Derived from a Tasty Precursor. <i>Inorganic Chemistry</i> , 2008, 47, 7951-7953. | 1.9 | 14 |
| 290 | 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. | 0.8 | 14 |
| 291 | 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, 6923-6929. | 3.2 | 14 |
| 292 | 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, 220-229. | 0.4 | 13 |
| 293 | PLUTONIUM(IV) AND PLUTONIUM(VI) EXTRACTION BY 1-HYDROXY-6-N-OCTYLCARBOXAMIDE-2(1H)-PYRIDINONE*. <i>Solvent Extraction and Ion Exchange</i> , 1999, 17, 55-71. | 0.8 | 12 |
| 294 | Second-Order Jahn-Teller Effect in a Host-Guest Complex. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4976-4978. | 7.2 | 12 |
| 295 | A [Cyclentetrakis(methylene)]tetrakis[2-hydroxybenzamide] Ligand That Complexes and Sensitizes Lanthanide(III) Ions. <i>Helvetica Chimica Acta</i> , 2009, 92, 2439-2460. | 1.0 | 12 |
| 296 | Measuring ion-pairing and hydration in variable charge supramolecular cages with microwave microfluidics. <i>Communications Chemistry</i> , 2019, 2, . | 2.0 | 12 |
| 297 | Competition studies in horse spleen ferritin probed by a kinetically inert inhibitor, [Cr(TREN)(H ₂ O)(OH)] ²⁺ , and a highly luminescent Tb(III) reagent. <i>Journal of Biological Inorganic Chemistry</i> , 2003, 8, 195-205. | 1.1 | 11 |
| 298 | Kinetics of Gallium Removal from Transferrin and Thermodynamics of Gallium-Binding by Sulfonated Tricatechol Ligands. <i>Journal of Coordination Chemistry</i> , 1991, 23, 361-387. | 0.8 | 9 |
| 299 | Synthesis and Characterization of Chiral Isomers of Tris(1-Oxo-22(1H)-Pyridinethionate)Iron(III), Chromium(III), and Cobalt(III) Complexes. <i>Journal of Coordination Chemistry</i> , 1992, 26, 1-14. | 0.8 | 8 |
| 300 | What Should Be Impossible: Resolution of the Mononuclear Gallium Coordination Complex, Tris(benzohydroxamato)gallium(III)1. <i>Journal of the American Chemical Society</i> , 2003, 125, 12066-12067. | 6.6 | 8 |
| 301 | Highly Fluorescent Group 13 Metal Complexes With Cyclic, Aromatic Hydroxamic Acid Ligands. <i>Inorganic Chemistry</i> , 2008, 47, 8665-8673. | 1.9 | 8 |
| 302 | THE SIGNIFICANCE AND RELATIONSHIP OF CORRELATION COEFFICIENTS FOR STEPWISE FORMATION CONSTANTS (K) AND CUMULATIVE FORMATION CONSTANTS (β _n). <i>Journal of Coordination Chemistry</i> , 1998, 46, 51-57. | 0.8 | 7 |
| 303 | Selective Stoichiometric and Catalytic Reactivity in the Confines of a Chiral Supramolecular Assembly. <i>Journal of Inorganic Chemistry</i> , 2000, 39, 165-197. | | 7 |
| 304 | Inner and Outer Beauty. <i>Topics in Current Chemistry</i> , 2011, 323, 1-18. | 4.0 | 7 |
| 305 | Stereochemistry of Microbial Iron Transport Compounds. <i>ACS Symposium Series</i> , 1980, , 133-167. | 0.5 | 6 |
| 306 | Eu(III) Complexes of Octadentate 1-Hydroxy-2-pyridinones: Stability and Improved Photophysical Performance. <i>Australian Journal of Chemistry</i> , 2009, 62, 1300. | 0.5 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 307 | Iron(III) 2,3-dihydroxyterephthalamides revisited. Charge effects on highly stable ferric complexes. <i>Comptes Rendus Chimie</i> , 2002, 5, 395-404. | 0.2 | 5 |
| 308 | 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, 443-449. | 1.4 | 5 |
| 309 | The Removal of Pu(IV) from Aqueous Solution Using 2,3-Dihydroxyterephthalamide-Functionalized PEI with Polymer Filtration. <i>Separation Science and Technology</i> , 2005, 39, 321-339. | 1.3 | 4 |
| 310 | Efficient Route to Highly Water-Soluble Aromatic Cyclic Hydroxamic Acid Ligands. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 2697-2700. | 1.2 | 4 |
| 311 | High Surface Area Silica Particles as a New Vehicle for Ligand Immobilization on the Quartz Crystal Microbalance. <i>ACS Symposium Series</i> , 1994, , 71-77. | 0.5 | 3 |
| 312 | Rezeptoren für Oxometall-Kationen: Koordination an das Dioxoosmium(VI)-Kation über verschiedenartige bindende Wechselwirkungen. <i>Angewandte Chemie</i> , 1995, 107, 1473-1476. | 1.6 | 3 |
| 313 | On the Suitability of Lanthanides as Actinide Analogs. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1104, 1. | 0.1 | 3 |
| 314 | Sequestered Plutonium: [PuIV{5LIO(Me-3,2-HOPO)} ₂]-The First Structurally Characterized Plutonium Hydroxypyridonate Complex. <i>Chemistry - A European Journal</i> , 2007, 13, 378-378. | 1.7 | 2 |
| 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. | 1.4 | 2 |
| 316 | The Self-Assembly of a Predesigned Tetrahedral M ₄ L ₆ Supramolecular Cluster. , 1998, 37, 1840. | | 2 |
| 317 | Improved scope and diastereoselectivity of C-H activation in an expanded supramolecular host. <i>Supramolecular Chemistry</i> , 2016, 28, 188-191. | 1.5 | 1 |
| 318 | Hexadentate Hydroxypyridonate Iron Chelators Based on TREN-Me-3,2-HOPO: Variation of Cap Size1. , 0, , . | | 1 |
| 319 | Cover Picture: Supramolecular Catalysis of a Unimolecular Transformation: Aza-Cope Rearrangement within a Self-Assembled Host (<i>Angew. Chem. Int. Ed.</i> 48/2004). <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6565-6565. | 7.2 | 0 |
| 320 | Inside Cover: Does Size Really Matter? The Steric Isotope Effect in a Supramolecular Host-Guest Exchange Reaction (<i>Angew. Chem. Int. Ed.</i> 21/2010). <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3546-3546. | 7.2 | 0 |