

# Petr Hermann

## List of Publications by Year in descending order

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153  
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76326

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164  
all docs

164  
docs citations

164  
times ranked

3840  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gadolinium(iii) complexes as MRI contrast agents: ligand design and properties of the complexes. Dalton Transactions, 2008, , 3027.	3.3	451
2	Complexes of tetraazacycles bearing methylphosphinic/phosphonic acid pendant arms with copper(II), zinc(II) and lanthanides(III). A comparison with their acetic acid analogues. Coordination Chemistry Reviews, 2001, 216-217, 287-312.	18.8	228
3	A Triazacyclononane-Based Bifunctional Phosphinate Ligand for the Preparation of Multimeric <sup>68</sup> Ga Tracers for Positron Emission Tomography. Chemistry - A European Journal, 2010, 16, 7174-7185.	3.3	138
4	TRAP, a Powerful and Versatile Framework for Gallium-68 Radiopharmaceuticals. Chemistry - A European Journal, 2011, 17, 14718-14722.	3.3	136
5	A Bisphosphonate Monoamide Analogue of DOTA: A Potential Agent for Bone Targeting. Journal of the American Chemical Society, 2005, 127, 16477-16485.	13.7	130
6	Gallium(III) Complexes of DOTA and DOTA-Monoamide: Kinetic and Thermodynamic Studies. Inorganic Chemistry, 2010, 49, 10960-10969.	4.0	127
7	Mn <sup>2+</sup> Complexes with Pyridine-Containing 15-Membered Macrocycles: Thermodynamic, Kinetic, Crystallographic, and <sup>1</sup> H/ <sup>17</sup> O Relaxation Studies. Inorganic Chemistry, 2010, 49, 3224-3238.	4.0	112
8	Lanthanide(III) Complexes of a Mono(methylphosphonate) Analogue of H <sub>4</sub> dota: The Influence of Protonation of the Phosphonate Moiety on the TSAP/SAP Isomer Ratio and the Water Exchange Rate. Chemistry - A European Journal, 2005, 11, 2373-2384.	3.3	110
9	PAMAM Dendrimeric Conjugates with a Gd <sup>3+</sup> DOTA Phosphinate Derivative and Their Adducts with Polyaminoacids: The Interplay of Global Motion, Internal Rotation, and Fast Water Exchange. Bioconjugate Chemistry, 2006, 17, 975-987.	3.6	108
10	Complexation of Metal Ions with TRAP (1,4,7-Triazacyclononane Phosphinic Acid) Ligands and 1,4,7-Triazacyclononane-1,4,7-triacetic Acid: Phosphinate-Containing Ligands as Unique Chelators for Trivalent Gallium. Inorganic Chemistry, 2012, 51, 577-590.	4.0	96
11	Synthesis of a bifunctional monophosphinic acid DOTA analogue ligand and its lanthanide(iii) complexes. A gadolinium(iii) complex endowed with an optimal water exchange rate for MRI applications. Organic and Biomolecular Chemistry, 2005, 3, 112-117.	2.8	84
12	Crystal Structures of Lanthanide(III) Complexes with Cyclen Derivative Bearing Three Acetate and One Methylphosphonate Pendants. Inorganic Chemistry, 2005, 44, 5591-5599.	4.0	84
13	Lanthanide(III) Complexes of Novel Mixed Carboxylic-Phosphorus Acid Derivatives of Diethylenetriamine: A Step towards More Efficient MRI Contrast Agents. Chemistry - A European Journal, 2003, 9, 5899-5915.	3.3	83
14	High Thermodynamic Stability and Extraordinary Kinetic Inertness of Copper(II) Complexes with 1,4,8,11-Tetraazacyclotetradecane-1,8-bis(methylphosphonic acid): Example of a Rare Isomerism between Kinetically Inert Penta- and Hexacoordinated Copper(II) Complexes. Chemistry - A European Journal, 2003, 9, 233-248.	3.3	81
15	Thermodynamic study of lanthanide(iii) complexes with bifunctional monophosphinic acid analogues of H <sub>4</sub> dota and comparative kinetic study of yttrium(iii) complexes. Dalton Transactions, 2007, , 535-549.	3.3	81
16	PET/CT imaging of osteoblastic bone metastases with <sup>68</sup> Ga-bisphosphonates: first human study. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 834-834.	6.4	80
17	Dissociation kinetics of Mn <sup>2+</sup> complexes of NOTA and DOTA. Dalton Transactions, 2011, 40, 1945.	3.3	75
18	Mn <sup>2+</sup> Complexes with 12-Membered Pyridine Based Macrocycles Bearing Carboxylate or Phosphonate Pendant Arm: Crystallographic, Thermodynamic, Kinetic, Redox, and <sup>1</sup> H/ <sup>17</sup> O Relaxation Studies. Inorganic Chemistry, 2011, 50, 12785-12801.	4.0	75

#	ARTICLE	IF	CITATIONS
19	Gadolinium(iii) complexes of mono- and diethyl esters of monophosphonic acid analogue of DOTA as potential MRI contrast agents: solution structures and relaxometric studies. Dalton Transactions, 2007, , 493-501.	3.3	72
20	<sup>68</sup> Ga-BPAMD: PET-imaging of bone metastases with a generator based positron emitter. Nuclear Medicine and Biology, 2012, 39, 993-999.	0.6	71
21	A Gadolinium(III) Complex of a Carboxylic-Phosphorus Acid Derivative of Diethylenetriamine Covalently Bound to Inulin, a Potential Macromolecular MRI Contrast Agent. Bioconjugate Chemistry, 2004, 15, 881-889.	3.6	66
22	Lanthanide(III) Complexes of Bis(phosphonate) Monoamide Analogues of DOTA: Bone-Seeking Agents for Imaging and Therapy. Journal of Medicinal Chemistry, 2008, 51, 677-683.	6.4	65
23	Aminoalkylbis(phosphonates): Their Complexation Properties in Solution and in the Solid State. European Journal of Inorganic Chemistry, 2007, 2007, 333-344.	2.0	64
24	How is <sup>68</sup> Ga Labeling of Macrocyclic Chelators Influenced by Metal Ion Contaminants in <sup>68</sup> Ge/ <sup>68</sup> Ga Generator Eluates?. ChemMedChem, 2013, 8, 95-103.	3.2	63
25	Thermodynamic and Kinetic Studies of Lanthanide(III) Complexes with H5do3ap (1,4,7,10-Tetraazacyclododecane-1,4,7-triacetic-10-(methylphosphonic Acid)), a Monophosphonate Analogue of H4dota. Collection of Czechoslovak Chemical Communications, 2005, 70, 1909-1942.	1.0	62
26	Dendrimeric Gd(iii) complex of a monophosphinated DOTA analogue: optimizing relaxivity by reducing internal motion. Chemical Communications, 2005, , 2390.	4.1	57
27	Lanthanide(III) Complexes of Phosphorus Acid Analogues of H <sub>4</sub> DOTA as Model Compounds for the Evaluation of the Second-Sphere Hydration. European Journal of Inorganic Chemistry, 2009, 2009, 119-136.	2.0	55
28	Thermodynamic and Kinetic Study of Scandium(III) Complexes of DTPA and DOTA: A Step Toward Scandium Radiopharmaceuticals. Chemistry - A European Journal, 2014, 20, 7944-7955.	3.3	55
29	Gallium(III) complexes of NOTA-bis (phosphonate) conjugates as PET radiotracers for bone imaging. Contrast Media and Molecular Imaging, 2015, 10, 122-134.	0.8	50
30	Cyclodextrin-Based Bimodal Fluorescence/MRI Contrast Agents: An Efficient Approach to Cellular Imaging. Chemistry - A European Journal, 2010, 16, 10094-10102.	3.3	49
31	Cyclam (1,4,8,11-tetraazacyclotetradecane) with one methylphosphonate pendant arm: a new ligand for selective copper(ii) binding. Dalton Transactions, 2005, , 2908.	3.3	46
32	The catalytic domain of MMP-1 studied through tagged lanthanides. FEBS Letters, 2012, 586, 557-567.	2.8	45
33	Relaxometric and solution NMR structural studies on ditopic lanthanide(iii) complexes of a phosphinate analogue of DOTA with a fast rate of water exchange. Dalton Transactions, 2006, , 2323.	3.3	44
34	Lanthanide(III) Complexes of 4,10-Bis(phosphonomethyl)-1,4,7,10-tetraazacyclododecane-1,7-diacetic acid (<i>trans</i>-H <sub>6</sub> do2a2p) in Solution and in the Solid State: Structural Studies Along the Series. Chemistry - A European Journal, 2010, 16, 8446-8465.	3.3	44
35	Mn <sup>2+</sup> complexes of 1-oxa-4,7-diazacyclononane based ligands with acetic, phosphonic and phosphinic acid pendant arms: Stability and relaxation studies. Dalton Transactions, 2011, 40, 10131.	3.3	44
36	Bis(methylphosphonic Acid) Derivatives of 1,4,8,11-Tetraazacyclotetradecane (Cyclam). Synthesis, Crystal and Molecular Structures, and Solution Properties. Collection of Czechoslovak Chemical Communications, 2000, 65, 1289-1316.	1.0	43

#	ARTICLE	IF	CITATIONS
37	Lanthanide(III) Complexes of Pyridine- <i>N</i> -Oxide Analogues of DOTA in Solution and in the Solid State. A New Kind of Isomerism in Complexes of DOTA-like Ligands. <i>Inorganic Chemistry</i> , 2009, 48, 466-475.	4.0	43
38	Tailored Gallium(III) Chelator NOPO: Synthesis, Characterization, Bioconjugation, and Application in Preclinical Ga-68-PET Imaging. <i>Molecular Pharmaceutics</i> , 2014, 11, 3893-3903.	4.6	43
39	Phosphonate-Titanium Dioxide Assemblies: Platform for Multimodal Diagnostic-Therapeutic Nanoprobes. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 5185-5194.	6.4	42
40	Crystal Structures and Reactivity of 3a,5a,8a,10a-Tetraazaperhydropyrene Derivatives. An Alternative Approach to Selective Nitrogen Alkylation of 1,4,8,11-Tetraazacyclotetradecane (Cyclam). <i>Collection of Czechoslovak Chemical Communications</i> , 2000, 65, 243-266.	1.0	40
41	Three in One: TSA, TSA <sup>-</sup> , and SA Units in One Crystal Structure of a Yttrium(III) Complex with a Monophosphinated H4dota Analogue. <i>Inorganic Chemistry</i> , 2006, 45, 3097-3102.	4.0	40
42	A Monoreactive Bifunctional Triazacyclononane Phosphinate Chelator with High Selectivity for Gallium-68. <i>ChemMedChem</i> , 2012, 7, 1375-1378.	3.2	40
43	Synthesis, Crystal Structures, and Solution Properties of <i>N</i> -Methylene(phenyl)phosphinic Acid Derivatives of Cyclen and Cyclam. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 195-203.	2.0	39
44	Derivative of cyclen with three methylene(phenyl)phosphinic acid pendant arms. Synthesis and crystal structures of its lanthanide complexes. <i>Dalton Transactions RSC</i> , 2000, , 141-148.	2.3	39
45	Formation and dissociation kinetics of Eu(III) complexes with H5do3ap and similar dota-like ligands. <i>Polyhedron</i> , 2007, 26, 4119-4130.	2.2	39
46	Pyridine- <i>N</i> -oxide Analogues of DOTA and Their Gadolinium(III) Complexes Endowed with a Fast Water Exchange on the Square-Antiprismatic Isomer. <i>Inorganic Chemistry</i> , 2009, 48, 455-465.	4.0	39
47	Synthesis, crystal structures and NMR and luminescence spectra of lanthanide complexes of 1,4,7,10-tetraazacyclododecane with <i>N</i> -methylene(phenyl)phosphinic acid pendant arms. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 3585-3592.	1.1	38
48	Gd(III) complex of a monophosphinate-bis(phosphonate) DOTA analogue with a high relaxivity; Lanthanide(III) complexes for imaging and radiotherapy of calcified tissues. <i>Dalton Transactions</i> , 2009, , 3204.	3.3	37
49	Scandium(III) complexes of monophosphorus acid DOTA analogues: a thermodynamic and radiolabelling study with <sup>44</sup> Sc from cyclotron and from a <sup>44</sup> Ti/ <sup>44</sup> Sc generator. <i>Dalton Transactions</i> , 2016, 45, 1398-1409.	3.3	37
50	Lanthanide(III) complexes of a pyridine <i>N</i> -oxide analogue of DOTA: exclusive M isomer formation induced by a six-membered chelate ring. <i>Chemical Communications</i> , 2004, , 2602-2603.	4.1	36
51	<sup>177</sup> Lu-labelled macrocyclic bisphosphonates for targeting bone metastasis in cancer treatment. <i>EJNMMI Research</i> , 2016, 6, 5.	2.5	36
52	Thermodynamic and kinetic study of copper(II) complexes with <i>N</i> -methylene(phenyl)phosphinic acid derivatives of cyclen and cyclam. <i>Polyhedron</i> , 2001, 20, 47-55.	2.2	34
53	Spectroscopic Characterization of Eu(III) Complexes with New Monophosphorus Acid Derivatives of H4dota. <i>Journal of Fluorescence</i> , 2005, 15, 507-512.	2.5	34
54	A Cyclen-Based Tetraphosphinate Chelator for the Preparation of Radiolabeled Tetrameric Bioconjugates. <i>Chemistry - A European Journal</i> , 2013, 19, 7748-7757.	3.3	34

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55	NOTA Complexes with Copper(II) and Divalent Metal Ions: Kinetic and Thermodynamic Studies. <i>Inorganic Chemistry</i> , 2018, 57, 3061-3072.	4.0	34
56	Cyclam Derivatives with a Bis(phosphinate) or a Phosphinato-Phosphonate Pendant Arm: Ligands for Fast and Efficient Copper(II) Complexation for Nuclear Medical Applications. <i>Inorganic Chemistry</i> , 2015, 54, 11751-11766.	4.0	33
57	Gadolinium complexes of monophosphinic acid DOTA derivatives conjugated to cyclodextrin scaffolds: efficient MRI contrast agents for higher magnetic fields. <i>Dalton Transactions</i> , 2012, 41, 13509.	3.3	32
58	Study of Thermodynamic and Kinetic Stability of Transition Metal and Lanthanide Complexes of DTPA Analogues with a Phosphorus Acid Pendant Arm. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 1976-1986.	2.0	31
59	Complexes of DOTA-Bisphosphonate Conjugates: Probes for Determination of Adsorption Capacity and Affinity Constants of Hydroxyapatite. <i>Langmuir</i> , 2008, 24, 1952-1958.	3.5	31
60	PAMAM Dendrimers Conjugated with an Uncharged Gadolinium(III) Chelate with a Fast Water Exchange: The Influence of Chelate Charge on Rotational Dynamics. <i>Bioconjugate Chemistry</i> , 2009, 20, 2142-2153.	3.6	31
61	Chemical and biological evaluation of scandium(III)-polyaminopolycarboxylate complexes as potential PET agents and radiopharmaceuticals. <i>Radiochimica Acta</i> , 2011, 99, 653-662.	1.2	30
62	Paramagnetic $^{19}\text{F}$ Relaxation Enhancement in Nickel(II) Complexes of <i>N</i> -Trifluoroethyl Cyclam Derivatives and Cell Labeling for $^{19}\text{F}$ MRI. <i>Inorganic Chemistry</i> , 2017, 56, 13337-13348.	4.0	30
63	Thermodynamic, kinetic and solid-state study of divalent metal complexes of 1,4,8,11-tetraazacyclotetradecane (cyclam) bearing two trans (1,8)-methylphosphonic acid pendant arms. <i>Dalton Transactions</i> , 2006, , 5184-5197.	3.3	29
64	Metal Complexes of 4,11-Dimethyl-1,4,8,11-tetraazacyclotetradecane-1,8-bis(methylphosphonic acid) - Thermodynamic and Formation/Decomplexation Kinetic Studies. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 3577-3592.	2.0	29
65	A Bis(pyridine <i>N</i> -oxide) Analogue of DOTA: Relaxometric Properties of the Gd(III) Complex and Efficient Sensitization of Visible and NIR-Emitting Lanthanide(III) Cations Including Pr(III) and Ho(III). <i>Chemistry - A European Journal</i> , 2014, 20, 14834-14845.	3.3	29
66	Luminescent Sensor for Carbonate Ion Based on Lanthanide(III) Complexes of 1,4,7,10-Tetraazacyclododecane-1,4,7-Triacetic Acid (DO3A). <i>Journal of Fluorescence</i> , 2013, 23, 57-69.	2.5	28
67	Chemical and biological evaluation of $^{153}\text{Sm}$ and $^{166}\text{Ho}$ complexes of 1,4,7,10-tetraazacyclododecane-1,4,7,10-tetrakis(methylphosphonic acid monoethylester) (H4dotpOEt). <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 1531-1540.	3.5	27
68	Modification of Nanocrystalline $\text{TiO}_2$ with Phosphonate- and Bis(phosphonate)-Bearing Macrocyclic Complexes: Sorption and Stability Studies. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 1981-1989.	2.0	26
69	A combined NMR and DFT study of conformational dynamics in lanthanide complexes of macrocyclic DOTA-like ligands. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 26662-26671.	2.8	26
70	The cis/trans-isomerism on cobalt(III) complexes with 1,4,8,11-tetraazacyclotetradecane-1,8-bis(methylphosphonic acid). <i>Inorganica Chimica Acta</i> , 2001, 317, 324-330.	2.4	25
71	Complexes of divalent transition metal ions with bis(aminomethyl)phosphinic acid in aqueous solution and in the solid state. <i>Dalton Transactions</i> , 2003, , 3927-3938.	3.3	25
72	Coordination properties of cyclam (1,4,8,11-tetraazacyclotetradecane) endowed with two methylphosphonic acid pendant arms in the 1,4-positions. <i>Dalton Transactions</i> , 2008, , 5378.	3.3	25

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73	Nickel(II) complexes of N-CH <sub>2</sub> CF <sub>3</sub> cyclam derivatives as contrast agents for <sup>19</sup> F magnetic resonance imaging. Dalton Transactions, 2016, 45, 474-478.	3.3	24
74	Efficient formation of inert Bi-213 chelates by tetraphosphorus acid analogues of DOTA: towards improved alpha-therapeutics. EJNMMI Research, 2018, 8, 78.	2.5	24
75	Convenient Synthesis of <sup>68</sup> Ga-Labeled Gadolinium(III) Complexes: Towards Bimodal Responsive Probes for Functional Imaging with PET/MRI. Chemistry - A European Journal, 2013, 19, 12602-12606.	3.3	23
76	Mono(pyridine-N-oxide) DOTA analog and its G1/G4-PAMAM dendrimer conjugates labeled with <sup>177</sup> Lu: Radiolabeling and biodistribution studies. Applied Radiation and Isotopes, 2014, 84, 70-77.	1.5	23
77	Improved Conjugation, <sup>64</sup> Cu Radiolabeling, in Vivo Stability, and Imaging Using Nonprotected Bifunctional Macrocyclic Ligands: Bis(Phosphinate) Cyclam (BPC) Chelators. Journal of Medicinal Chemistry, 2018, 61, 8774-8796.	6.4	23
78	Towards MRI contrast agents responsive to Ca(II) and Mg(II) ions: metal-induced oligomerization of dota-bisphosphonate conjugates. Contrast Media and Molecular Imaging, 2010, 5, 294-296.	0.8	21
79	Radiolabeling of PAMAM dendrimers conjugated to a pyridine-N-oxide DOTA analog with <sup>111</sup> In: Optimization of reaction conditions and biodistribution. Journal of Pharmaceutical and Biomedical Analysis, 2011, 56, 505-512.	2.8	21
80	Lanthanide complexes of a cyclen derivative with phenylphosphinic pendant arms for possible <sup>1</sup> H and <sup>31</sup> P MRI temperature sensitive probes. New Journal of Chemistry, 1999, 23, 1129-1132.	2.8	20
81	Synthesis and coordination properties of palladium(II) and platinum(II) complexes with phosphonated triphenylphosphine derivatives. Journal of Organometallic Chemistry, 2006, 691, 2409-2423.	1.8	20
82	Unsymmetrically substituted side-bridged cyclam derivatives and their Cu(II) and Zn(II) complexes. New Journal of Chemistry, 2008, 32, 496-504.	2.8	20
83	Lanthanide(III) complexes of aminoethyl-DO3A as PARACEST contrast agents based on decoordination of the weakly bound amino group. Dalton Transactions, 2013, 42, 15735.	3.3	20
84	Complexing properties of phosphinic analogues of glycine. Journal of the Chemical Society Dalton Transactions, 1996, , 2685-2691.	1.1	19
85	Unusual cis/trans Isomerism in Octahedral Nickel(II) Complexes with 1,4,8,11-Tetraazacyclotetradecane-1,8-bis(methylphosphonic Acid) as a Ligand. Collection of Czechoslovak Chemical Communications, 2001, 66, 363-381.	1.0	19
86	Ternary Complexes of Zinc(II), Cyclen and Pyridinecarboxylic Acids. European Journal of Inorganic Chemistry, 2007, 2007, 3974-3987.	2.0	19
87	PHOSPHONODIPEPTIDES. SYNTHESIS BY HOBt/DCC METHOD, MASS SPECTRA OF THE PROTECTED AND <sup>1</sup> H NMR OF THE UNPROTECTED PHOSPHONODIPEPTIDES. Phosphorus, Sulfur and Silicon and the Related Elements, 1993, 79, 43-53.	1.6	18
88	Generation of Ethyl Metathiophosphate by Thermal Fragmentation of O-Ethyl N-Substituted Phosphoramidothioates. Journal of Organic Chemistry, 1996, 61, 3944-3950.	3.2	18
89	Bifunctional Cyclam-Based Ligands with Phosphorus Acid Pendant Moieties for Radiocopper Separation: Thermodynamic and Kinetic Studies. Chemistry - A European Journal, 2015, 21, 4671-4687.	3.3	18
90	A DOTA based bisphosphonate with an albumin binding moiety for delayed body clearance for bone targeting. Nuclear Medicine and Biology, 2016, 43, 670-678.	0.6	18

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91	<sup>1</sup> H NMR relaxivity of aqueous suspensions of titanium dioxide nanoparticles coated with a gadolinium(III) chelate of a DOTA-monoamide with a phenylphosphonate pendant arm. <i>Journal of Materials Chemistry</i> , 2009, 19, 1494.	6.7	17
92	Kinetic study of dissociation of Eu(III) complex with H8dotp (H8dotp=1,4,7,10-tetraazacyclododecane-1,4,7,10-tetrakis(methylphosphonic acid)). <i>Inorganica Chimica Acta</i> , 2007, 360, 3748-3755.	2.4	15
93	The Influence of the Combination of Carboxylate and Phosphinate Pendant Arms in 1,4,7-Triazacyclononane-Based Chelators on Their <sup>68</sup> Ga Labelling Properties. <i>Molecules</i> , 2015, 20, 13112-13126.	3.8	15
94	Paramagnetic Cobalt(II) Complexes with Cyclam Derivatives: Toward <sup>19</sup> F MRI Contrast Agents. <i>Inorganic Chemistry</i> , 2020, 59, 10071-10082.	4.0	15
95	Aminomethylenephosphinic acids and their complexing properties. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992, , 939-944.	1.1	14
96	Complexes of platinum(II) and palladium(II) with aminomethylphosphonic acid and glycylaminomethylphosphonic acid. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 2621-2628.	1.1	14
97	Methylene-bis[(aminomethyl)phosphinic acids]: synthesis, acid-base and coordination properties. <i>Dalton Transactions</i> , 2013, 42, 2414-2422.	3.3	14
98	Aminoalkyl-1,1-bis(phosphinic acids): Stability, Acid-Base, and Coordination Properties. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4357-4368.	2.0	14
99	Potentiometric and NMR study of ethylenediamine-N,N,N',N'-tetrakis[methylene(phenylphosphinic)] acid and its complexing properties. <i>Collection of Czechoslovak Chemical Communications</i> , 1989, 54, 653-662.	1.0	14
100	Chemical, radiochemical and biological studies of Sm and Ho complexes of H <sub>4</sub> dota analogues containing one methylphosphonic/phosphinic acid pendant arm. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2010, 53, 36-43.	1.0	13
101	Mono(pyridine-N-oxide) analog of DOTA as a suitable organic reagent for a sensitive and selective fluorimetric determination of Ln(III) ions. <i>Journal of Luminescence</i> , 2012, 132, 2030-2035.	3.1	13
102	Formation and decomplexation kinetics of copper(II) complexes with cyclen derivatives having mixed carboxylate and phosphonate pendant arms. <i>Dalton Transactions</i> , 2016, 45, 12723-12733.	3.3	13
103	Ln(III)-complexes of a DOTA analogue with an ethylenediamine pendant arm as pH-responsive PARACEST contrast agents. <i>Dalton Transactions</i> , 2016, 45, 3486-3496.	3.3	13
104	Eu(III) Complex with DO3A-amino-phosphonate Ligand as a Concentration-Independent pH-Responsive Contrast Agent for Magnetic Resonance Spectroscopy (MRS). <i>Inorganic Chemistry</i> , 2017, 56, 2078-2091.	4.0	13
105	Complexing properties of phosphonodipeptides containing aminomethylphosphonic acid. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 2605.	1.1	12
106	Formation kinetics of europium(III) complexes of DOTA and its bis(phosphonate) bearing analogs. <i>Polyhedron</i> , 2016, 111, 143-149.	2.2	12
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109	Amino acid based gallium-68 chelators capable of radiolabeling at neutral pH. Dalton Transactions, 2017, 46, 16973-16982.	3.3	11
110	Lanthanide( <sup>iii</sup> ) complexes of monophosphinate/monophosphonate DOTA-analogues: effects of the substituents on the formation rate and radiolabelling yield. Dalton Transactions, 2018, 47, 13006-13015.	3.3	11
111	Lanthanide Complexes of DO3A <sup>4-</sup> (Dibenzylamino)methylphosphinate: Effect of Protonation of the Dibenzylamino Group on the Water-Exchange Rate and the Binding of Human Serum Albumin. Inorganic Chemistry, 2019, 58, 5196-5210.	4.0	11
112	Complexing properties of [(glycylamino)methyl]phosphinic acids towards Co <sup>2+</sup> , Ni <sup>2+</sup> , Cu <sup>2+</sup> and Zn <sup>2+</sup> ions in aqueous solutions. Dalton Transactions RSC, 2001, , 2850-2857.	2.3	10
113	Complexation and biodistribution study of <sup>111</sup> In and <sup>90</sup> Y complexes of bifunctional phosphinic acid analogs of H4dota. Applied Radiation and Isotopes, 2009, 67, 21-29.	1.5	10
114	Tris(phosphonomethyl) Cyclen Derivatives: Synthesis, Acid-Base Properties and Complexation Studies with Cu <sup>2+</sup> and Zn <sup>2+</sup> Ions. European Journal of Inorganic Chemistry, 2012, 2012, 2533-2547.	2.0	10
115	DOTA analogues with a phosphinate-iminodiacetate pendant arm: modification of the complex formation rate with a strongly chelating pendant. Dalton Transactions, 2017, 46, 10484-10497.	3.3	10
116	Optimization of the selectivity and rate of copper radioisotope complexation: formation and dissociation kinetic studies of 1,4,8-trimethylcyclam-based ligands with different coordinating pendant arms. New Journal of Chemistry, 2018, 42, 11908-11929.	2.8	10
117	Selective Protection of 1,4,8,11-Tetraazacyclotetradecane (Cyclam) in Position 1,4 with the Phosphonothioyl Group and Synthesis of a Cyclam-1,4-bis(methylphosphonic Acid). Crystal Structures of Several Cyclic Phosphonothioamides. Collection of Czechoslovak Chemical Communications, 2006, 71, 337-367.	1.0	9
118	Dissociation kinetics study of copper(II) complexes of DO3A, DOTA and its monosubstituted derivatives. Polyhedron, 2013, 61, 99-104.	2.2	9
119	Formation and dissociation kinetics of copper(II) complexes with tetraphosphorus acid DOTA analogs. Polyhedron, 2014, 67, 449-455.	2.2	9
120	Low-molecular-weight paramagnetic <sup>19</sup> F contrast agents for fluorine magnetic resonance imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2019, 32, 115-122.	2.0	9
121	Complexing properties of phosphonodipeptides containing 1-aminoethylphosphonic acid. Journal of the Chemical Society Dalton Transactions, 1995, , 2611-2618.	1.1	8
122	Dissociation kinetics study of Ce(III) complexes with H8dotp (H8dotp=1,4,7,10-tetraazacyclododecane-1,4,7,10-tetrakis (methylphosphonic acid)). Journal of Alloys and Compounds, 2008, 451, 42-45.	5.5	8
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