

Petr Hermann

List of Publications by Year in descending order

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164
all docs

164
docs citations

164
times ranked

4221
citing authors

#	ARTICLE	IF	CITATIONS
1	Ten-Membered Rings or Lager With One or More Nitrogen Atoms. , 2022, , 591-683.		1
2	Complexes of cyclen side-bridged with a methylene-bis(phosphinate) group. Polyhedron, 2021, 196, 114994.	1.0	3
3	1,4,7-Triazacyclononane (tacn) with N,N-bridging methylenebis(phosphinic acid) group and its complexes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1261-1268.	0.6	1
4	The solid-state structures and ligand cavity evaluation of lanthanide(ⁱⁱⁱ) complexes of a DOTA analogue with a (dibenzylamino)methylphosphinate pendant arm. Dalton Transactions, 2020, 49, 1555-1569.	1.6	4
5	Selective and clean synthesis of aminoalkyl-H-phosphinic acids from hypophosphorous acid by phospho-Mannich reaction. RSC Advances, 2020, 10, 21329-21349.	1.7	5
6	Paramagnetic Cobalt(II) Complexes with Cyclam Derivatives: Toward ¹⁹ F MRI Contrast Agents. Inorganic Chemistry, 2020, 59, 10071-10082.	1.9	15
7	Cross-Bridged Cyclam with Phosphonate and Phosphinate Pendant Arms: Chelators for Copper Radioisotopes with Fast Complexation. Inorganic Chemistry, 2020, 59, 8432-8443.	1.9	8
8	Al(iii)-NTA-fluoride: a simple model system for Al ⁺ F binding with interesting thermodynamics. Dalton Transactions, 2020, 49, 13726-13736.	1.6	0
9	Coordination Behavior of 1,4-Disubstituted Cyclen Endowed with Phosphonate, Phosphonate Monoethylester, and H-Phosphinate Pendant Arms. Molecules, 2019, 24, 3324.	1.7	5
10	Lanthanide Complexes of DO3A ⁺ (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.	1.9	11
11	¹ H spin ⁺ lattice relaxation in water solution of ²⁰⁹ Bi counterparts of Gd ³⁺ contrast agents. Molecular Physics, 2019, 117, 927-934.	0.8	3
12	Low-molecular-weight paramagnetic ¹⁹ F contrast agents for fluorine magnetic resonance imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2019, 32, 115-122.	1.1	9
13	NOTA Complexes with Copper(II) and Divalent Metal Ions: Kinetic and Thermodynamic Studies. Inorganic Chemistry, 2018, 57, 3061-3072.	1.9	34
14	Complexes of phosphonate and phosphinate derivatives of dipicolylamine. New Journal of Chemistry, 2018, 42, 7713-7722.	1.4	6
15	Efficient formation of inert Bi-213 chelates by tetrakisphosphorus acid analogues of DOTA: towards improved alpha-therapeutics. EJNMMI Research, 2018, 8, 78.	1.1	24
16	Improved Conjugation, ⁶⁴ 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.	2.9	23
17	Lanthanide(ⁱⁱⁱ) complexes of monophosphinate/monophosphonate DOTA-analogues: effects of the substituents on the formation rate and radiolabelling yield. Dalton Transactions, 2018, 47, 13006-13015.	1.6	11
18	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.	1.4	10

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19	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.	1.9	13
20	Paramagnetic ^{19}F Relaxation Enhancement in Nickel(II) Complexes of <i>N</i> -Trifluoroethyl Cyclam Derivatives and Cell Labeling for ^{19}F MRI. <i>Inorganic Chemistry</i> , 2017, 56, 13337-13348.	1.9	30
21	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.	1.3	26
22	DOTA analogues with a phosphinate-iminodiacetate pendant arm: modification of the complex formation rate with a strongly chelating pendant. <i>Dalton Transactions</i> , 2017, 46, 10484-10497.	1.6	10
23	Amino acid based gallium-68 chelators capable of radiolabeling at neutral pH. <i>Dalton Transactions</i> , 2017, 46, 16973-16982.	1.6	11
24	Formation kinetics of europium(III) complexes of DOTA and its bis(phosphonate) bearing analogs. <i>Polyhedron</i> , 2016, 111, 143-149.	1.0	12
25	A DOTA based bisphosphonate with an albumin binding moiety for delayed body clearance for bone targeting. <i>Nuclear Medicine and Biology</i> , 2016, 43, 670-678.	0.3	18
26	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.	1.6	13
27	^{177}Lu -labelled macrocyclic bisphosphonates for targeting bone metastasis in cancer treatment. <i>EJNMMI Research</i> , 2016, 6, 5.	1.1	36
28	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.	1.6	13
29	Scandium(III) complexes of monophosphorus acid DOTA analogues: a thermodynamic and radiolabelling study with ^{44}Sc from cyclotron and from a ^{44}Ti / ^{44}Sc generator. <i>Dalton Transactions</i> , 2016, 45, 1398-1409.	1.6	37
30	Nickel(II) complexes of <i>N</i> -CH ₂ CF ₃ cyclam derivatives as contrast agents for ^{19}F magnetic resonance imaging. <i>Dalton Transactions</i> , 2016, 45, 474-478.	1.6	24
31	The Influence of the Combination of Carboxylate and Phosphinate Pendant Arms in 1,4,7-Triazacyclononane-Based Chelators on Their ^{68}Ga Labelling Properties. <i>Molecules</i> , 2015, 20, 13112-13126.	1.7	15
32	Dipeptide interactions with Zn(II) "cyclen artificial model for molecular recognition. <i>Journal of Molecular Recognition</i> , 2015, 28, 211-219.	1.1	2
33	Bifunctional Cyclam-Based Ligands with Phosphorus Acid Pendant Moieties for Radiocopper Separation: Thermodynamic and Kinetic Studies. <i>Chemistry - A European Journal</i> , 2015, 21, 4671-4687.	1.7	18
34	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.	1.9	33
35	Gallium(III) complexes of NOTA-bis(phosphonate) conjugates as PET radiotracers for bone imaging. <i>Contrast Media and Molecular Imaging</i> , 2015, 10, 122-134.	0.4	50
36	Mono(pyridine-N-oxide) DOTA analog and its G1/G4-PAMAM dendrimer conjugates labeled with ^{177}Lu : Radiolabeling and biodistribution studies. <i>Applied Radiation and Isotopes</i> , 2014, 84, 70-77.	0.7	23

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37	Tailored Gallium(III) Chelator NOPO: Synthesis, Characterization, Bioconjugation, and Application in Preclinical Ga-68-PET Imaging. <i>Molecular Pharmaceutics</i> , 2014, 11, 3893-3903.	2.3	43
38	Aminoalkyl-1,1-bis(phosphinic acids): Stability, Acid-Base, and Coordination Properties. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4357-4368.	1.0	14
39	Phosphinate Analogues of Ida and Nta with Low Basicity of Nitrogen Atom: Acid-Base and Complexation Properties. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2014, 189, 933-945.	0.8	2
40	Formation and dissociation kinetics of copper(II) complexes with tetraphosphorus acid DOTA analogs. <i>Polyhedron</i> , 2014, 67, 449-455.	1.0	9
41	Thermodynamic and Kinetic Study of Scandium(III) Complexes of DTPA and DOTA: A Step Toward Scandium Radiopharmaceuticals. <i>Chemistry - A European Journal</i> , 2014, 20, 7944-7955.	1.7	55
42	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.	1.7	29
43	Bis(phosphonate)-Building Blocks Modified with Fluorescent Dyes. <i>Heteroatom Chemistry</i> , 2013, 24, 413-425.	0.4	3
44	Lanthanide(III) complexes of aminoethyl-DO3A as PARACEST contrast agents based on decoordination of the weakly bound amino group. <i>Dalton Transactions</i> , 2013, 42, 15735.	1.6	20
45	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.	1.3	28
46	Methylene-bis[(aminomethyl)phosphinic acids]: synthesis, acid-base and coordination properties. <i>Dalton Transactions</i> , 2013, 42, 2414-2422.	1.6	14
47	How is ⁶⁸ Ga Labeling of Macrocyclic Chelators Influenced by Metal Ion Contaminants in ⁶⁸ Ge/ ⁶⁸ Ga Generator Eluates?. <i>ChemMedChem</i> , 2013, 8, 95-103.	1.6	63
48	Dissociation kinetics study of copper(II) complexes of DO3A, DOTA and its monosubstituted derivatives. <i>Polyhedron</i> , 2013, 61, 99-104.	1.0	9
49	A Cyclen-Based Tetraphosphinate Chelator for the Preparation of Radiolabeled Tetrameric Bioconjugates. <i>Chemistry - A European Journal</i> , 2013, 19, 7748-7757.	1.7	34
50	Convenient Synthesis of ⁶⁸ Ga-Labeled Gadolinium(III) Complexes: Towards Bimodal Responsive Probes for Functional Imaging with PET/MRI. <i>Chemistry - A European Journal</i> , 2013, 19, 12602-12606.	1.7	23
51	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.	1.6	32
52	⁶⁸ Ga-BPAMD: PET-imaging of bone metastases with a generator based positron emitter. <i>Nuclear Medicine and Biology</i> , 2012, 39, 993-999.	0.3	71
53	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. <i>Inorganic Chemistry</i> , 2012, 51, 577-590.	1.9	96
54	Tris(phosphonomethyl) Cyclen Derivatives: Synthesis, Acid-Base Properties and Complexation Studies with Cu ²⁺ and Zn ²⁺ Ions. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2533-2547.	1.0	10

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55	Tris(phosphonomethyl)cyclen Derivatives: Thermodynamic Stability, Kinetics, Solution Structure, and Relaxivity of Ln ³⁺ Complexes. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2548-2559.	1.0	5
56	A Monoreactive Bifunctional Triazacyclononane Phosphinate Chelator with High Selectivity for Gallium ⁶⁸ . <i>ChemMedChem</i> , 2012, 7, 1375-1378.	1.6	40
57	The catalytic domain of MMP ¹ studied through tagged lanthanides. <i>FEBS Letters</i> , 2012, 586, 557-567.	1.3	45
58	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.	1.5	13
59	Mn ²⁺ complexes of 1-oxa-4,7-diazacyclononane based ligands with acetic, phosphonic and phosphinic acid pendant arms: Stability and relaxation studies. <i>Dalton Transactions</i> , 2011, 40, 10131.	1.6	44
60	Phosphonate-Titanium Dioxide Assemblies: Platform for Multimodal Diagnostic-Therapeutic Nanoprobes. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 5185-5194.	2.9	42
61	Chemical and biological evaluation of scandium(III)-polyaminopolycarboxylate complexes as potential PET agents and radiopharmaceuticals. <i>Radiochimica Acta</i> , 2011, 99, 653-662.	0.5	30
62	Dissociation kinetics of Mn ²⁺ complexes of NOTA and DOTA. <i>Dalton Transactions</i> , 2011, 40, 1945.	1.6	75
63	Mn ²⁺ Complexes with 12-Membered Pyridine Based Macrocycles Bearing Carboxylate or Phosphonate Pendant Arm: Crystallographic, Thermodynamic, Kinetic, Redox, and ¹⁷ O Relaxation Studies. <i>Inorganic Chemistry</i> , 2011, 50, 12785-12801.	1.9	75
64	Radiolabeling of PAMAM dendrimers conjugated to a pyridine-N-oxide DOTA analog with ¹¹¹ In: Optimization of reaction conditions and biodistribution. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 505-512.	1.4	21
65	Amino acids binding to Zn ²⁺ -cyclen molecular receptor in aqueous solution. <i>Journal of Molecular Recognition</i> , 2011, 24, 295-302.	1.1	5
66	A New Tris(phosphonomethyl) Monoacetic Acid Cyclam Derivative: Synthesis, Acid-Base and Metal Complexation Studies. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 527-538.	1.0	5
67	Modification of Nanocrystalline 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.	1.0	26
68	TRAP, a Powerful and Versatile Framework for Gallium ⁶⁸ Radiopharmaceuticals. <i>Chemistry - A European Journal</i> , 2011, 17, 14718-14722.	1.7	136
69	Chemical, radiochemical and biological studies of Sm and Ho complexes of H ₄ dota analogues containing one methylphosphonic/phosphinic acid pendant arm. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2010, 53, 36-43.	0.5	13
70	PET/CT imaging of osteoblastic bone metastases with ⁶⁸ Ga-bisphosphonates: first human study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 834-834.	3.3	80
71	Towards MRI contrast agents responsive to Ca ^{II} and Mg ^{II} ions: metal-induced oligomerization of dota-bisphosphonate conjugates. <i>Contrast Media and Molecular Imaging</i> , 2010, 5, 294-296.	0.4	21
72	A Triazacyclononane-Based Bifunctional Phosphinate Ligand for the Preparation of Multimeric ⁶⁸ Ga Tracers for Positron Emission Tomography. <i>Chemistry - A European Journal</i> , 2010, 16, 7174-7185.	1.7	138

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73	Cyclodextrin-Based Bimodal Fluorescence/MRI Contrast Agents: An Efficient Approach to Cellular Imaging. <i>Chemistry - A European Journal</i> , 2010, 16, 10094-10102.	1.7	49
74	Lanthanide(III) Complexes of 4,10-Bis(phosphonomethyl)-1,4,7,10-tetraazacyclododecane-1,7-diacetic acid (<i>trans</i> -H ₆) in Solution and in the Solid State: Structural Studies Along the Series. <i>Chemistry - A European Journal</i> , 2010, 16, 8446-8465.	1.7	44
75	Mn ²⁺ Complexes with Pyridine-Containing 15-Membered Macrocycles: Thermodynamic, Kinetic, Crystallographic, and ¹ H/ ¹⁷ O Relaxation Studies. <i>Inorganic Chemistry</i> , 2010, 49, 3224-3238.	1.9	112
76	Gallium(III) Complexes of DOTA and DOTA-Monoamide: Kinetic and Thermodynamic Studies. <i>Inorganic Chemistry</i> , 2010, 49, 10960-10969.	1.9	127
77	¹ 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
78	Lanthanide(III) Complexes of Phosphorus Acid Analogues of H ₄ DOTA as Model Compounds for the Evaluation of the Second-Sphere Hydration. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 119-136.	1.0	55
79	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.	1.0	29
80	Synthesis, crystal structures and spectroscopic properties of three Zn-cyclen-aminoacid complexes with new macrocyclic configurations. <i>Inorganica Chimica Acta</i> , 2009, 362, 3860-3866.	1.2	7
81	Complexation and biodistribution study of ¹¹¹ In and ⁹⁰ Y complexes of bifunctional phosphinic acid analogs of H ₄ DOTA. <i>Applied Radiation and Isotopes</i> , 2009, 67, 21-29.	0.7	10
82	Pyridine-N-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.	1.9	39
83	Lanthanide(III) Complexes of Pyridine-N-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.	1.9	43
84	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.	1.8	31
85	Complexes of hydrophilic triphenylphosphines modified with gem-bis(phosphonate) moiety. An unusual simultaneous cis and trans arrangements in the Pt(II) dinuclear complex. <i>Dalton Transactions</i> , 2009, , 4942.	1.6	4
86	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.	1.6	37
87	Chemical and biological evaluation of ¹⁵³ Sm and ¹⁶⁶ Ho complexes of 1,4,7,10-tetraazacyclododecane-1,4,7,10-tetrakis(methylphosphonic acid monoethylester) (H ₄ dotpOEt). <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 1531-1540.	1.5	27
88	Complexes of DOTA-Bisphosphonate Conjugates: Probes for Determination of Adsorption Capacity and Affinity Constants of Hydroxyapatite. <i>Langmuir</i> , 2008, 24, 1952-1958.	1.6	31
89	Dissociation kinetics study of Ce(III) complexes with H ₈ dotp (H ₈ dotp=1,4,7,10-tetraazacyclododecane-1,4,7,10-tetrakis (methylphosphonic acid)). <i>Journal of Alloys and Compounds</i> , 2008, 451, 42-45.	2.8	8
90	Lanthanide(III) Complexes of Bis(phosphonate) Monoamide Analogues of DOTA: Bone-Seeking Agents for Imaging and Therapy. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 677-683.	2.9	65

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91	Gadolinium(iii) complexes as MRI contrast agents: ligand design and properties of the complexes. Dalton Transactions, 2008, , 3027.	1.6	451
92	Coordination properties of cyclam (1,4,8,11-tetraazacyclotetradecane) endowed with two methylphosphonic acid pendant arms in the 1,4-positions. Dalton Transactions, 2008, , 5378.	1.6	25
93	Unsymmetrically substituted side-bridged cyclam derivatives and their Cu(II) and Zn(II) complexes. New Journal of Chemistry, 2008, 32, 496-504.	1.4	20
94	Synthesis of a Bifunctional Monophosphinate DOTA Derivative Having a Free Carboxylate Group in the Phosphorus Side Chain. Synthesis, 2008, 2008, 1431-1435.	1.2	3
95	Thermodynamic study of lanthanide(iii) complexes with bifunctional monophosphinic acid analogues of H4dota and comparative kinetic study of yttrium(iii) complexes. Dalton Transactions, 2007, , 535-549.	1.6	81
96	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.	1.6	72
97	Aminoalkylbis(phosphonates): Their Complexation Properties in Solution and in the Solid State. European Journal of Inorganic Chemistry, 2007, 2007, 333-344.	1.0	64
98	Synthesis and Coordination Behavior of Symmetrical Tetraamine Phosphinic Acids. European Journal of Inorganic Chemistry, 2007, 2007, 3881-3891.	1.0	5
99	Ternary Complexes of Zinc(II), Cyclen and Pyridinecarboxylic Acids. European Journal of Inorganic Chemistry, 2007, 2007, 3974-3987.	1.0	19
100	Kinetic study of dissociation of Eu(III) complex with H8dotp (H8dotp=1,4,7,10-tetraazacyclododecane-1,4,7,10-tetrakis(methylphosphonic acid)). Inorganica Chimica Acta, 2007, 360, 3748-3755.	1.2	15
101	Formation and dissociation kinetics of Eu(III) complexes with H5do3ap and similar dota-like ligands. Polyhedron, 2007, 26, 4119-4130.	1.0	39
102	Labeling of a bifunctional monophosphonic acid DOTA analogue with ¹¹¹ In: Radiochemical aspects and preclinical results. Journal of Radioanalytical and Nuclear Chemistry, 2007, 273, 583-586.	0.7	3
103	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. Dalton Transactions, 2006, , 5184-5197.	1.6	29
104	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.	1.6	44
105	Three in One: TSA, TSA ⁻ , and SA Units in One Crystal Structure of a Yttrium(III) Complex with a Monophosphinated H4dota Analogue. Inorganic Chemistry, 2006, 45, 3097-3102.	1.9	40
106	PAMAM Dendrimeric Conjugates with a Gd ³⁺ 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.	1.8	108
107	Capillary electrophoretic separation and kinetic study of inert copper(II) complexes of 1,8-bis(methylphosphonate) derivative of cyclam. Polyhedron, 2006, 25, 1884-1892.	1.0	5
108	Synthesis and coordination properties of palladium(II) and platinum(II) complexes with phosphonated triphenylphosphine derivatives. Journal of Organometallic Chemistry, 2006, 691, 2409-2423.	0.8	20

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109	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.	1.0	31
110	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). <i>Crystal Structures of Several Cyclic Phosphonothioamides. Collection of Czechoslovak Chemical Communications</i> , 2006, 71, 337-367.	1.0	9
111	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. <i>Collection of Czechoslovak Chemical Communications</i> , 2005, 70, 1909-1942.	1.0	62
112	Lanthanide(III) Complexes of a Mono(methylphosphonate) Analogue of H4dota: The Influence of Protonation of the Phosphonate Moiety on the TSAP/SAP Isomer Ratio and the Water Exchange Rate. <i>Chemistry - A European Journal</i> , 2005, 11, 2373-2384.	1.7	110
113	Spectroscopic Characterization of Eu(III) Complexes with New Monophosphorus Acid Derivatives of H4dota. <i>Journal of Fluorescence</i> , 2005, 15, 507-512.	1.3	34
114	Dendrimeric Gd(iii) complex of a monophosphinated DOTA analogue: optimizing relaxivity by reducing internal motion. <i>Chemical Communications</i> , 2005, , 2390.	2.2	57
115	Cyclam (1,4,8,11-tetraazacyclotetradecane) with one methylphosphonate pendant arm: a new ligand for selective copper(ii) binding. <i>Dalton Transactions</i> , 2005, , 2908.	1.6	46
116	A Bisphosphonate Monoamide Analogue of DOTA: A Potential Agent for Bone Targeting. <i>Journal of the American Chemical Society</i> , 2005, 127, 16477-16485.	6.6	130
117	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. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 112-117.	1.5	84
118	Crystal Structures of Lanthanide(III) Complexes with Cyclen Derivative Bearing Three Acetate and One Methylphosphonate Pendants. <i>Inorganic Chemistry</i> , 2005, 44, 5591-5599.	1.9	84
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127	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
128	Complexing properties of [(glycylamino)methyl]phosphinic acids towards Co ²⁺ , Ni ²⁺ , Cu ²⁺ and Zn ²⁺ ions in aqueous solutions. Dalton Transactions RSC, 2001, , 2850-2857.	2.3	10
129	Thermodynamic and kinetic study of copper(II) complexes with N-methylene(phenylphosphinic acid) derivatives of cyclen and cyclam. Polyhedron, 2001, 20, 47-55.	1.0	34
130	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.	9.5	228
131	The cis/trans-isomerism on cobalt(III) complexes with 1,4,8,11-tetraazacyclotetradecane-1,8-bis(methylphosphonic acid). Inorganica Chimica Acta, 2001, 317, 324-330.	1.2	25
132	Synthesis, Crystal Structures, and Solution Properties of N-Methylene(phenyl)phosphinic Acid Derivatives of Cyclen and Cyclam. European Journal of Inorganic Chemistry, 2000, 2000, 195-203.	1.0	39
133	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). Collection of Czechoslovak Chemical Communications, 2000, 65, 243-266.	1.0	40
134	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
135	Derivative of cyclen with three methylene(phenyl)phosphinic acid pendant arms. Synthesis and crystal structures of its lanthanide complexes. Dalton Transactions RSC, 2000, , 141-148.	2.3	39
136	Synthesis, Structure and Solution Properties of Tetra-Azacycles with Pendant Methylene(Phenylphosphinic) Groups. Phosphorus, Sulfur and Silicon and the Related Elements, 1999, 147, 229-229.	0.8	0
137	Synthesis, crystal structures and NMR and luminescence spectra of lanthanide complexes of 1,4,7,10-tetraazacyclododecane with N-methylene(phenyl)phosphinic acid pendant arms. Journal of the Chemical Society Dalton Transactions, 1999, , 3585-3592.	1.1	38
138	Lanthanide complexes of a cyclen derivative with phenylphosphinic pendant arms for possible ¹ H and ³¹ P MRI temperature sensitive probes. New Journal of Chemistry, 1999, 23, 1129-1132.	1.4	20
139	Complexing properties of diastereoisomers of 1-(L-methionylamino)ethylphosphonic acid. Journal of the Chemical Society Dalton Transactions, 1997, , 2629-2638.	1.1	4
140	Complexes of platinum(II) and palladium(II) with aminomethylphosphonic acid and glycylaminomethylphosphonic acid. Journal of the Chemical Society Dalton Transactions, 1997, , 2621-2628.	1.1	14
141	Generation of Ethyl Metathiophosphate by Thermal Fragmentation of O-Ethyl N-Substituted Phosphoramidothioates. Journal of Organic Chemistry, 1996, 61, 3944-3950.	1.7	18
142	Complexing properties of phosphinic analogues of glycine. Journal of the Chemical Society Dalton Transactions, 1996, , 2685-2691.	1.1	19
143	Complexes of Aminoalkylphosphonic Acids and Phosphonodipeptides with Pt(II) and Pd(II). Phosphorus, Sulfur and Silicon and the Related Elements, 1996, 109, 213-216.	0.8	0
144	A New Technique for the Generation of Alkyl Metathiophosphates. Phosphorus, Sulfur and Silicon and the Related Elements, 1996, 111, 189-189.	0.8	0

#	ARTICLE	IF	CITATIONS
145	Complexing properties of phosphonodipeptides containing 1-aminoethylphosphonic acid. Journal of the Chemical Society Dalton Transactions, 1995, , 2611-2618.	1.1	8
146	Complexing properties of phosphonodipeptides containing aminomethylphosphonic acid. Journal of the Chemical Society Dalton Transactions, 1995, , 2605.	1.1	12
147	Reversed-phase high-performance liquid chromatography of diastereomers of some phosphonodipeptides. Journal of Chromatography A, 1994, 665, 59-65.	1.8	3
148	PHOSPHONODIPEPTIDES. SYNTHESIS BY HOBt/DCC METHOD, MASS SPECTRA OF THE PROTECTED AND ¹ H NMR OF THE UNPROTECTED PHOSPHONODIPEPTIDES. Phosphorus, Sulfur and Silicon and the Related Elements, 1993, 79, 43-53.	0.8	18
149	Aminomethylenephosphonic acids and their complexing properties. Journal of the Chemical Society Dalton Transactions, 1992, , 939-944.	1.1	14
150	Potentiometric and NMR Study of Aminoalkylphosphonic Acids ZWD their Complexing Properties. Phosphorus, Sulfur and Silicon and the Related Elements, 1990, 51, 354-354.	0.8	0
151	Potentiometric and NMR study of ethylenediamine-N,N,N',N'-tetrakis[methylene(phenylphosphonic)] acid and its complexing properties. Collection of Czechoslovak Chemical Communications, 1989, 54, 653-662.	1.0	14
152	Cyclam with a phosphinate-bis(phosphonate) pendant arm is a bone-targeting carrier of copper radionuclides. Dalton Transactions, 0, , .	1.6	4
153	Complexes of NOTA- ϵ -monoamides with CuII ion: Structural, equilibrium and kinetic study. European Journal of Inorganic Chemistry, 0, , .	1.0	0