

Tripier Raphael

List of Publications by Year in Descending Order

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

82

papers

1,523

citations

23

h-index

35

g-index

95

ext. papers

1,808

ext. citations

5

avg, IF

4.41

L-index

#	Paper	IF	Citations
82	Palladium(II) coordination with polyazacycloalkanes. <i>Coordination Chemistry Reviews</i> , 2022 , 455, 214343	23.2	0
81	Radiopharmaceutical Labelling for Lung Ventilation/Perfusion PET/CT Imaging: A Review of Production and Optimization Processes for Clinical Use. <i>Pharmaceuticals</i> , 2022 , 15, 518	5.2	4
80	Importance of ligand design in lanthanide azamacrocyclic complexes relevant to biomedical applications. <i>Fundamental Theories of Physics</i> , 2022 ,	0.8	
79	Fully Automated ⁶⁸ Ga-Labeling and Purification of Macroaggregated Albumin Particles for Lung Perfusion PET Imaging 2021 , 1,		3
78	Complexation of Mn(II) by Rigid PycLen Diacetates: Equilibrium, Kinetic, Relaxometric, Density Functional Theory, and Superoxide Dismutase Activity Studies. <i>Inorganic Chemistry</i> , 2021 , 60, 1133-1148	5.1	12
77	Complexation of -Functionalized Cyclams with Copper(II) and Zinc(II): Similarities and Changes When Compared to Parent Cyclam Analogues. <i>Inorganic Chemistry</i> , 2021 , 60, 10857-10872	5.1	0
76	In Vivo Albumin-Binding of a C-Functionalized Cyclam Platform for Cu-PET/CT Imaging in Breast Cancer Model. <i>ChemMedChem</i> , 2021 , 16, 809-821	3.7	1
75	A different approach: highly encapsulating macrocycles being used as organic tectons in the building of CPs. <i>CrystEngComm</i> , 2021 , 23, 453-464	3.3	1
74	Ga-Labelled Carbon Nanoparticles for Ventilation PET/CT Imaging: Physical Properties Study and Comparison with Technegas [®] . <i>Molecular Imaging and Biology</i> , 2021 , 23, 62-69	3.8	5
73	Design of polyazamacrocyclic Gd ³⁺ theranostic agents combining magnetic resonance imaging and two-photon photodynamic therapy. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 2213-2224	6.8	2
72	PycLen-Based Ligands Bearing Pendant Picolinate Arms for Gadolinium Complexation. <i>Inorganic Chemistry</i> , 2021 , 60, 2390-2405	5.1	4
71	Cyclam-Based Chelators Bearing Phosphonated Pyridine Pendants for Cu-PET Imaging: Synthesis, Physicochemical Studies, Radiolabeling, and Bioimaging. <i>Inorganic Chemistry</i> , 2021 , 60, 2634-2648	5.1	2
70	PycLen-Based Ln(III) Complexes as Highly Luminescent Bioprobes for and One- and Two-Photon Bioimaging Applications. <i>Journal of the American Chemical Society</i> , 2020 , 142, 10184-10197	16.4	33
69	Enabling Indium Channels for Mass Cytometry by Using Reinforced Cyclam-Based Chelating Polylysine. <i>Bioconjugate Chemistry</i> , 2020 , 31, 2103-2115	6.3	5
68	Efficient luminescence control in dithienylethene functionalized cyclen macrocyclic lanthanide complexes. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 2979-2989	6.8	5
67	Synthesis, Conformational Analysis, and Complexation Study of an Iminosugar-Aza-Crown, a Sweet Chiral Cyclam Analog. <i>Organic Letters</i> , 2020 , 22, 2344-2349	6.2	7
66	Cationic Biphotonic Lanthanide Luminescent Bioprobes Based on Functionalized Cross-Bridged Cyclam Macrocycles. <i>ChemPhysChem</i> , 2020 , 21, 1036-1043	3.2	9

65	Formation of Heteropolynuclear Lanthanide Complexes Using Macrocyclic Phosphonated Cyclam-Based Ligands. <i>Inorganic Chemistry</i> , 2020 , 59, 10311-10327	5.1	4
64	Unexpected Trends in the Stability and Dissociation Kinetics of Lanthanide(III) Complexes with Cyclen-Based Ligands across the Lanthanide Series. <i>Inorganic Chemistry</i> , 2020 , 59, 8184-8195	5.1	11
63	A squaraine-based dipicolylamine derivative acting as a turn-on mercury(II) fluorescent probe in water. <i>New Journal of Chemistry</i> , 2020 , 44, 6589-6600	3.6	5
62	Picolinate-appended tacn complexes for bimodal imaging: Radiolabeling, relaxivity, photophysical and electrochemical studies. <i>Journal of Inorganic Biochemistry</i> , 2020 , 205, 110978	4.2	3
61	Expanding the Scope of PycLen-Picolinate Lanthanide Chelates to Potential Theranostic Applications. <i>Inorganic Chemistry</i> , 2020 , 59, 11736-11748	5.1	4
60	Reply to the Comment on "Investigation of Zr(IV) and Zr(IV) complexation with hydroxamates: progress towards designing a better chelator than desferrioxamine B for immuno-PET imaging" by A. Bianchi and M. Savastano, Chem. Commun., 2020, 56, D0CC01189D. <i>Chemical Communications</i> , 2020 , 56, 12667-12668	5.8	1
59	Reactivities of cyclam derivatives with metal amyloid- β . <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 4222-4238	6.8	4
58	Methylthiazolyl Tacn Ligands for Copper Complexation and Their Bifunctional Chelating Agent Derivatives for Bioconjugation and Copper-64 Radiolabeling: An Example with Bombesin. <i>Inorganic Chemistry</i> , 2019 , 58, 2669-2685	5.1	8
57	Design and Synthesis of Hybrid PEGylated Metal Monopicolinate Cyclam Ligands for Biomedical Applications. <i>ACS Omega</i> , 2019 , 4, 2500-2509	3.9	5
56	What is the Best Radionuclide for Immuno-PET of Multiple Myeloma? A Comparison Study Between Zr- and Cu-Labeled Anti-CD138 in a Preclinical Syngeneic Model. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	14
55	Phosphate and polyphosphate anion recognition by a dinuclear copper(II) complex of an unsymmetrical squaramide. <i>Dalton Transactions</i> , 2019 , 48, 10104-10115	4.3	6
54	endo- versus exo-Cyclic coordination in copper complexes with methylthiazolylcarboxylate tacn derivatives. <i>Dalton Transactions</i> , 2019 , 48, 8740-8755	4.3	2
53	A "Multi-Heavy-Atom" Approach toward Biphotonic Photosensitizers with Improved Singlet-Oxygen Generation Properties. <i>Chemistry - A European Journal</i> , 2019 , 25, 9026-9034	4.8	22
52	TE1PA as Innovating Chelator for Cu Immuno-TEP Imaging: A Comparative in Vivo Study with DOTA/NOTA by Conjugation on 9E7.4 mAb in a Syngeneic Multiple Myeloma Model. <i>Bioconjugate Chemistry</i> , 2019 , 30, 2393-2403	6.3	7
51	Synthesis of Orthogonal N-Protected C-Functional Side-Bridged Cyclams to Give Access to Unsymmetrical Constrained BCAs. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 5955-5962	3.2	1
50	Highly Stable and Inert Complexation of Indium(III) by Reinforced Cyclam Dipicolinate and a Bifunctional Derivative for Bead Encoding in Mass Cytometry. <i>Chemistry - A European Journal</i> , 2019 , 25, 15387-15400	4.8	6
49	Kinetics Are Crucial When Targeting Copper Ions to Fight Alzheimer's Disease: An Illustration with Azamacrocyclic Ligands. <i>Chemistry - A European Journal</i> , 2018 , 24, 8447-8452	4.8	9
48	Synthesis of C-functionalized TE1PA and comparison with its analogues. An example of bioconjugation on 9E7.4 mAb for multiple myeloma Cu-PET imaging. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 4261-4271	3.9	9

47	Stable and Inert Yttrium(III) Complexes with Pyclen-Based Ligands Bearing Pendant Picolinate Arms: Toward New Pharmaceuticals for β -Radiotherapy. <i>Inorganic Chemistry</i> , 2018 , 57, 2051-2063	5.1	18
46	Steric Effects on the Binding of Phosphate and Polyphosphate Anions by Zinc(II) and Copper(II) Dinuclear Complexes of m-Xylyl-bis-cyclen. <i>Inorganic Chemistry</i> , 2018 , 57, 6466-6478	5.1	10
45	A Coordination Chemistry Approach to Fine-Tune the Physicochemical Parameters of Lanthanide Complexes Relevant to Medical Applications. <i>Chemistry - A European Journal</i> , 2018 , 24, 3127-3131	4.8	17
44	Comparison of Immuno-PET of CD138 and PET imaging with CuCl and F-FDG in a preclinical syngeneic model of multiple myeloma. <i>Oncotarget</i> , 2018 , 9, 9061-9072	3.3	20
43	Expanding the Family of Pyclen-Based Ligands Bearing Pendant Picolinate Arms for Lanthanide Complexation. <i>Inorganic Chemistry</i> , 2018 , 57, 6932-6945	5.1	25
42	Combining a pyclen framework with conjugated antenna for the design of europium and samarium luminescent bioprobes. <i>Chemical Communications</i> , 2018 , 54, 6173-6176	5.8	21
41	Cyclam te1pa for ^{64}Cu PET imaging. Bioconjugation to antibody, radiolabeling and preclinical application in xenografted colorectal cancer. <i>RSC Advances</i> , 2017 , 7, 9272-9283	3.7	9
40	Investigation of the complexation of Zr(IV) and Hf(IV) by hydroxypyridinones for the development of chelators for PET imaging applications. <i>Dalton Transactions</i> , 2017 , 46, 4749-4758	4.3	18
39	Spectroscopic Properties of a Family of Mono- to Trinuclear Lanthanide Complexes. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 2122-2129	2.3	7
38	1,4,7-Triazacyclononane-Based Bifunctional Picolinate Ligands for Efficient Copper Complexation. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 2435-2443	2.3	12
37	Near infrared two photon imaging using a bright cationic Yb(III) bioprobe spontaneously internalized into live cells. <i>Chemical Communications</i> , 2017 , 53, 6005-6008	5.8	49
36	The role of the capping bond effect on pyclen Y/Y chelates: full control of the regiospecific N-functionalization makes the difference. <i>Chemical Communications</i> , 2017 , 53, 9534-9537	5.8	18
35	Tuning the copper(II) coordination properties of cyclam by subtle chemical modifications. <i>Dalton Transactions</i> , 2017 , 46, 11479-11490	4.3	5
34	Definition of the Labile Capping Bond Effect in Lanthanide Complexes. <i>Chemistry - A European Journal</i> , 2017 , 23, 1110-1117	4.8	17
33	Catching anions with coloured assemblies: binding of pH indicators by a giant-size polyammonium macrocycle for anion naked-eye recognition. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 8309-21	3.9	13
32	Improving the stability and inertness of Cu(II) and Cu(I) complexes with methylthiazolyl ligands by tuning the macrocyclic structure. <i>Dalton Transactions</i> , 2016 , 45, 7406-20	4.3	17
31	Complexation of Ln(III) Ions with Cyclam Dipicolinates: A Small Bridge that Makes Huge Differences in Structure, Equilibrium, and Kinetic Properties. <i>Inorganic Chemistry</i> , 2016 , 55, 2227-39	5.1	20
30	Cyclams with Ambidentate Methylthiazolyl Pendants for Stable, Inert, and Selective Cu(II) Coordination. <i>Inorganic Chemistry</i> , 2016 , 55, 619-32	5.1	12

29	Cationic Two-Photon Lanthanide Bioprobes Able to Accumulate in Live Cells. <i>Inorganic Chemistry</i> , 2016 , 55, 7020-5	5.1	35
28	The Relationship between NMR Chemical Shifts of Thermally Polarized and Hyperpolarized Y Complexes and Their Solution Structures. <i>Chemistry - A European Journal</i> , 2016 , 22, 16657-16667	4.8	11
27	Pyclen Tri-n-butylphosphonate Ester as Potential Chelator for Targeted Radiotherapy: From Yttrium(III) Complexation to (90)Y Radiolabeling. <i>Inorganic Chemistry</i> , 2016 , 55, 8003-12	5.1	14
26	Investigating the Complexation of the Pb(2+)/Bi(3+) Pair with Dipicolinate Cyclen Ligands. <i>Inorganic Chemistry</i> , 2015 , 54, 7045-57	5.1	34
25	Straightforward and mild deprotection methods of N-mono- and N1,N7-functionalised bisaminal cyclens. <i>Tetrahedron</i> , 2015 , 71, 3857-3862	2.4	10
24	Stable Mn(2+), Cu(2+) and Ln(3+) complexes with cyclen-based ligands functionalized with picolinate pendant arms. <i>Dalton Transactions</i> , 2015 , 44, 5017-31	4.3	49
23	New synthesis of phenyl-isothiocyanate C-functionalised cyclams. Bioconjugation and (64)Cu phenotypic PET imaging studies of multiple myeloma with the te2a derivative. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 11302-14	3.9	26
22	A [two-step/one week] synthesis of C-functionalized homocyclens and cyclams. Application to the preparation of conjugable BCAs without chelating properties alteration. <i>RSC Advances</i> , 2015 , 5, 85898-85910	2.7	8
21	HfMe-do2pa: an attractive chelator with fast, stable and inert (nat)Bi ^{III} and ²¹³ Bi ^{III} complexation for potential ²¹³ Bi radioimmunotherapy applications. <i>Chemical Communications</i> , 2014 , 50, 12371-4	5.8	23
20	Monopicolinate cross-bridged cyclam combining very fast complexation with very high stability and inertness of its copper(II) complex. <i>Inorganic Chemistry</i> , 2014 , 53, 5269-79	5.1	40
19	Supramolecular luminescent lanthanide dimers for fluoride sequestering and sensing. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 7259-63	16.4	77
18	Full control of the regiospecific N-functionalization of C-functionalized cyclam bisaminal derivatives and application to the synthesis of their TETA, TE2A, and CB-TE2A analogues. <i>Journal of Organic Chemistry</i> , 2014 , 79, 1885-99	4.2	25
17	Lanthanide(III) complexes with a reinforced cyclam ligand show unprecedented kinetic inertness. <i>Journal of the American Chemical Society</i> , 2014 , 136, 17954-7	16.4	44
16	Radiolabeling of HTE1PA: A new monopicolinate cyclam derivative for Cu-64 phenotypic imaging. In vitro and in vivo stability studies in mice. <i>Nuclear Medicine and Biology</i> , 2014 , 41 Suppl, e49-57	2.1	26
15	Synthesis of an unsymmetrical N-functionalized triazacyclononane ligand and its Cu(II) complex. <i>Inorganica Chimica Acta</i> , 2014 , 417, 201-207	2.7	5
14	Hyperfine coupling constants on inner-sphere water molecules of a triazacyclononane-based Mn(II) complex and related systems relevant as MRI contrast agents. <i>Inorganic Chemistry</i> , 2013 , 52, 11173-84	5.1	39
13	Investigation of Zr(IV) and ⁸⁹ Zr(IV) complexation with hydroxamates: progress towards designing a better chelator than desferrioxamine B for immuno-PET imaging. <i>Chemical Communications</i> , 2013 , 49, 1002-4	5.8	84
12	Monopicolinate-dipicolyl derivative of triazacyclononane for stable complexation of Cu ²⁺ and ⁶⁴ Cu ²⁺ . <i>Inorganic Chemistry</i> , 2013 , 52, 5246-59	5.1	42

11	Lanthanide(III) complexes with ligands derived from a cyclen framework containing pyridinecarboxylate pendants. The effect of steric hindrance on the hydration number. <i>Inorganic Chemistry</i> , 2012 , 51, 2509-21	5.1	58
10	exo-Diastereoisomer of 10-aryl-1,4,7-triazabicyclo[5.2.1]decane as intermediary in specific derivatisation of triazacyclononane. <i>Tetrahedron</i> , 2012 , 68, 5637-5643	2.4	8
9	Solution structure of Ln(III) complexes with macrocyclic ligands through theoretical evaluation of ¹ H NMR contact shifts. <i>Inorganic Chemistry</i> , 2012 , 51, 13419-29	5.1	36
8	Monopicolinate cyclen and cyclam derivatives for stable copper(II) complexation. <i>Inorganic Chemistry</i> , 2012 , 51, 6916-27	5.1	67
7	trans-Methylpyridine cyclen versus cross-bridged trans-methylpyridine cyclen. Synthesis, acid-base and metal complexation studies (metal = Co ²⁺ , Cu ²⁺ , and Zn ²⁺). <i>Dalton Transactions</i> , 2011 , 40, 4514-26	4.3	22
6	Cyclen-based bismacrocycles for biological anion recognition. A potentiometric and NMR study of AMP, ADP and ATP nucleotide complexation. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 1743-50	3.9	38
5	Monopropionate analogues of DOTA ⁴⁻ and DTPA ⁵⁻ : kinetics of formation and dissociation of their lanthanide(III) complexes. <i>Dalton Transactions</i> , 2007 , 3572-81	4.3	33
4	Proton-sponge behaviour of new pendant armed cross-bridged bis-cyclens: Synthesis, NMR, X-ray, and potentiometric investigations. <i>Comptes Rendus Chimie</i> , 2007 , 10, 832-838	2.7	11
3	Cyclen based bis-macrocyclic ligands as phosphates receptors. A potentiometric and NMR study. <i>Dalton Transactions</i> , 2005 , 3016-24	4.3	35
2	Mono- and Dinuclear CuII and ZnII Complexes of Cyclen-Based Bis(macrocycles) Containing Two Aminoalkyl Pendant Arms of Different Lengths. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 2044-2053	2.3	18
1	Accelerating water exchange for GdIII chelates by steric compression around the water binding site. <i>Chemical Communications</i> , 2002 , 2630-1	5.8	83