

Sofia I Pascu

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111
papers

3,009
citations

34
h-index

49
g-index

129
ext. papers

3,223
ext. citations

5.8
avg. IF

4.9
L-index

#	Paper	IF	Citations
111	Triplet energy back transfer in conjugated polymers with pendant phosphorescent iridium complexes. <i>Journal of the American Chemical Society</i> , 2006 , 128, 6647-56	16.4	214
110	Noncovalent interactions within a synthetic receptor can reinforce guest binding. <i>Journal of the American Chemical Society</i> , 2006 , 128, 11206-10	16.4	142
109	Blue-to-green electrophosphorescence of iridium-based cyclometallated materials. <i>Chemical Communications</i> , 2005 , 4708-10	5.8	93
108	Poly(9,9-dialkyl-3,6-dibenzosilole)--a high energy gap host for phosphorescent light emitting devices. <i>Chemical Communications</i> , 2005 , 5766-8	5.8	81
107	Cellular confocal fluorescence studies and cytotoxic activity of new Zn(II) bis(thiosemicarbazonato) complexes. <i>Dalton Transactions</i> , 2008 , 2107-10	4.3	74
106	Synthesis and characterization of tetrahedral and square planar Bis(iminopyrrolyl) complexes of cobalt(II). <i>Inorganic Chemistry</i> , 2007 , 46, 6880-90	5.1	73
105	Stabilisation of a heptamethine cyanine dye by rotaxane encapsulation. <i>Chemical Communications</i> , 2008 , 2897-9	5.8	68
104	Designing Zn(II) and Cu(II) derivatives as probes for in vitro fluorescence imaging. <i>Dalton Transactions</i> , 2007 , 4988-97	4.3	68
103	Interlocked host anion recognition by an indolocarbazole-containing [2]rotaxane. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4937-52	16.4	66
102	Probing flexibility in porphyrin-based molecular wires using double electron electron resonance. <i>Journal of the American Chemical Society</i> , 2009 , 131, 13852-9	16.4	64
101	Engineering conjugation in para-phenylene-bridged porphyrin tapes. <i>Chemical Science</i> , 2012 , 3, 1541	9.4	63
100	Ditopic boronic acid and imine-based naphthalimide fluorescence sensor for copper(II). <i>Chemical Communications</i> , 2014 , 50, 11806-9	5.8	62
99	Inclusion of C60 into an adjustable porphyrin dimer generated by dynamic disulfide chemistry. <i>Chemical Communications</i> , 2005 , 1276-8	5.8	59
98	Synthesis and study of new binuclear compounds containing bridging (ECN)B(C6F5)3 and (ENC)B(C6F5)3 systems. <i>Dalton Transactions</i> , 2003 , 2550-2557	4.3	55
97	The development of boronic acids as sensors and separation tools. <i>Chemical Record</i> , 2012 , 12, 464-78	6.6	53
96	Tripodal N-Heterocyclic Carbene Complexes of Palladium and Copper: Syntheses, Characterization, and Catalytic Activity. <i>Organometallics</i> , 2010 , 29, 4097-4104	3.8	51
95	Fluorescent gallium and indium bis(thiosemicarbazonates) and their radiolabelled analogues: synthesis, structures and cellular confocal fluorescence imaging investigations. <i>Dalton Transactions</i> , 2011 , 40, 6238-52	4.3	50

94	Fluorescent copper(II) bis(thiosemicarbazones): synthesis, structures, electron paramagnetic resonance, radiolabeling, in vitro cytotoxicity and confocal fluorescence microscopy studies. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 506-19	4.5	49
93	Supramolecular assemblies of tripodal porphyrin hosts and C60. <i>Chemistry - A European Journal</i> , 2008 , 14, 3035-44	4.8	48
92	Cobalt catalysts for the conversion of CO ₂ to light hydrocarbons at atmospheric pressure. <i>Chemical Communications</i> , 2013 , 49, 11683-5	5.8	47
91	Synthesis and evaluation of a boronate-tagged 1,8-naphthalimide probe for fluoride recognition. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 4143-8	3.9	46
90	Synthesis, structure and magnetic behavior of five-coordinate bis(iminopyrrolyl) complexes of cobalt(II) containing PMe ₃ and THF ligands. <i>Inorganic Chemistry</i> , 2008 , 47, 8896-911	5.1	46
89	Synthesis of allyl- and aryl-iminopyrrolyl complexes of nickel. <i>Dalton Transactions</i> , 2003 , 4431-4436	4.3	46
88	The chemistry of PET imaging with zirconium-89. <i>Chemical Society Reviews</i> , 2018 , 47, 2554-2571	58.5	45
87	Interactions Between Amino Acid-Tagged Naphthalenediimide and Single Walled Carbon Nanotubes for the Design and Construction of New Bioimaging Probes. <i>Advanced Functional Materials</i> , 2012 , 22, 503-518	15.6	45
86	Cation-reinforced donor-acceptor pseudorotaxanes. <i>New Journal of Chemistry</i> , 2005 , 29, 80	3.6	45
85	The effect of fluorinated aryl substituents on the crystal structures of 1,2,3,5-dithiadiazolyl radicals. <i>CrystEngComm</i> , 2010 , 12, 172-185	3.3	44
84	Crystal structures and magnetic properties of a sterically encumbered dithiadiazolyl radical, 2,4,6-(F ₃ C) ₃ C ₆ H ₂ CN ₂ SSN. <i>Chemical Communications</i> , 2005 , 4726-8	5.8	43
83	Understanding the Nature of the States Responsible for the Green Emission in Oxidized Poly(9,9-dialkylfluorene)s: Photophysics and Structural Studies of Linear Dialkylfluorene/Fluorenone Model Compounds. <i>Advanced Functional Materials</i> , 2009 , 19, 2147-2154	15.6	42
82	High CO ₂ and CO conversion to hydrocarbons using bridged Fe nanoparticles on carbon nanotubes. <i>Catalysis Science and Technology</i> , 2013 , 3, 1202	5.5	39
81	Synthesis, Structure, and Solution Dynamics of Neutral Allylnickel Complexes of N-Heterocyclic Carbenes. <i>Organometallics</i> , 2006 , 25, 4391-4403	3.8	39
80	Synthesis of a new bidentate ferrocenyl N-heterocyclic carbene ligand precursor and the palladium (II) complex trans-[PdCl ₂ (C?fc?C)], where (C?fc?C)=1,1?-di-tert-butyl-3,3?-(1,1?-dimethyleneferrocenyl)-diimidazol-2-ylidene. <i>Journal of Organometallic Chemistry</i> , 2005 , 690, 653-658	2.3	36
79	Synthesis of the originally proposed structures of elatenyne and an enyne from Laurencia majuscula. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 238-52	3.9	35
78	Palladium(II) complexes with the bidentate iminophosphine ligand [Ph ₂ PCH ₂ C(Ph)N(2,6-Me ₂ C ₆ H ₃)]. <i>Dalton Transactions RSC</i> , 2001 , 3384-3395		35
77	Fe@CNT-monoliths for the conversion of carbon dioxide to hydrocarbons: structural characterisation and Fischer-Tropsch reactivity investigations. <i>Catalysis Science and Technology</i> , 2014 , 4, 3351-3358	5.5	32

76	New developments in the biomedical chemistry of metal complexes: from small molecules to nanotheranostic design. <i>Organometallic Chemistry</i> , 1-35	3	30
75	Metallic nanoparticles as synthetic building blocks for cancer diagnostics: from materials design to molecular imaging applications. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 5657-5672	7.3	29
74	Shining light on the stability of metal thiosemicarbazone complexes in living cells by FLIM. <i>Chemical Science</i> , 2013 , 4, 1430	9.4	29
73	Structures and solution dynamics of pseudorotaxanes mediated by alkali-metal cations. <i>Dalton Transactions</i> , 2007 , 3874-84	4.3	29
72	Lysosomal tracking with a cationic naphthalimide using multiphoton fluorescence lifetime imaging microscopy. <i>Chemical Communications</i> , 2017 , 53, 11161-11164	5.8	28
71	Synthesis of (+)-obtusenyne. <i>Chemistry - A European Journal</i> , 2008 , 14, 2867-85	4.8	28
70	Large-scale synthesis of alkyne-linked tripodal porphyrins via palladium-mediated coupling conditions. <i>Chemical Communications</i> , 2006 , 1085-7	5.8	28
69	Synthesis of sulfonamide conjugates of Cu(II), Ga(III), In(III), Re(V) and Zn(II) complexes: carbonic anhydrase inhibition studies and cellular imaging investigations. <i>Dalton Transactions</i> , 2015 , 44, 4859-73	4.3	27
68	Investigation of conjugate addition/intramolecular nitrene dipolar cycloadditions and their use in the synthesis of dendrobatid alkaloid precursors. <i>Organic and Biomolecular Chemistry</i> , 2004 , 2, 1258-65	3.9	27
67	Aromatic donor-acceptor interactions in non-polar environments. <i>Chemical Communications</i> , 2015 , 51, 8265-8	5.8	26
66	Hydrothermal conversion of one-photon-fluorescent poly(4-vinylpyridine) into two-photon-fluorescent carbon nanodots. <i>Langmuir</i> , 2014 , 30, 11746-52	4	24
65	Dynamic synthesis of a macrocycle containing a porphyrin and an electron donor. <i>Chemical Communications</i> , 2005 , 1842-4	5.8	24
64	Further studies on the polymorphic dithiadiazolyl radical, ClCNSSN. <i>CrystEngComm</i> , 2004 , 6, 79	3.3	24
63	Promoter Effects on Iron-Silica Fischer-Tropsch Nanocatalysts: Conversion of Carbon Dioxide to Lower Olefins and Hydrocarbons at Atmospheric Pressure. <i>ChemPlusChem</i> , 2013 , 78, 1536-1544	2.8	23
62	Towards nanomedicines: design protocols to assemble, visualize and test carbon nanotube probes for multi-modality biomedical imaging. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010 , 368, 3683-712	3	23
61	Thermally Reduced Graphene Oxide Nanohybrids of Chiral Functional Naphthalenediimides for Prostate Cancer Cells Bioimaging. <i>Advanced Functional Materials</i> , 2016 , 26, 5641-5657	15.6	21
60	Microwave gallium-68 radiochemistry for kinetically stable bis(thiosemicarbazone) complexes: structural investigations and cellular uptake under hypoxia. <i>Dalton Transactions</i> , 2016 , 45, 144-55	4.3	20
59	Complexes of aryl-substituted porphyrins and naphthalenediimide (NDI): investigations by synchrotron X-ray diffraction and NMR spectroscopy. <i>Dalton Transactions</i> , 2011 , 40, 10833-42	4.3	20

58	A fluorescent Arg-Gly-Asp (RGD) peptide-naphthalenediimide (NDI) conjugate for imaging integrin $\alpha_5\beta_1$ in vitro. <i>Chemical Communications</i> , 2015 , 51, 6901-4	5.8	19
57	Biotinylated boronic acid fluorophore conjugates: Quencher elimination strategy for imaging and saccharide detection. <i>RSC Advances</i> , 2012 , 2, 3274	3.7	19
56	Synthesis, structures and catalytic properties of iron(III) complexes with asymmetric N-capped tripodal NO ₃ ligands and a pentadentate N ₂ O ₃ ligand. <i>Dalton Transactions</i> , 2008 , 4784-91	4.3	18
55	Structural investigations on new iron-acyl derivatives of B(C ₆ F ₅) ₃ . <i>Journal of Organometallic Chemistry</i> , 2004 , 689, 4407-4419	2.3	18
54	New cationic palladium (II) and rhodium (I) complexes of [Ph ₂ PCH ₂ C(Ph)N(2,6-Me ₂ C ₆ H ₃)]. <i>Journal of Organometallic Chemistry</i> , 2005 , 690, 1645-1658	2.3	18
53	Oxygen Sensing, Hypoxia Tracing and Imaging with Functional Metalloprobes for the Early Detection of Non-communicable Diseases. <i>Frontiers in Chemistry</i> , 2018 , 6, 27	5	17
52	Bis(ketopyrrolyl) complexes of Co(II) stabilised by trimethylphosphine ligands. <i>Dalton Transactions</i> , 2007 , 5460-70	4.3	17
51	Behavior of Supramolecular Assemblies of Radiometal-Filled and Fluorescent Carbon Nanocapsules In Vitro and In Vivo. <i>CheM</i> , 2017 , 3, 437-460	16.2	16
50	Interactions between tripodal porphyrin hosts and single walled carbon nanotubes: an experimental and theoretical (DFT) account. <i>Journal of Materials Chemistry</i> , 2008 , 18, 2781		16
49	Encapsulation of Cadmium Selenide Nanocrystals in Biocompatible Nanotubes: DFT Calculations, X-ray Diffraction Investigations, and Confocal Fluorescence Imaging. <i>ChemistryOpen</i> , 2018 , 7, 144-158	2.3	15
48	Fluorescence-Lifetime Imaging and Super-Resolution Microscopies Shed Light on the Directed- and Self-Assembly of Functional Porphyrins onto Carbon Nanotubes and Flat Surfaces. <i>Chemistry - A European Journal</i> , 2017 , 23, 9772-9789	4.8	14
47	Design considerations towards simultaneously radiolabeled and fluorescent imaging probes incorporating metallic species. <i>Advances in Inorganic Chemistry</i> , 2009 , 131-178	2.1	14
46	Applications of "Hot" and "Cold" Bis(thiosemicarbazonato) Metal Complexes in Multimodal Imaging. <i>Chemical Record</i> , 2016 , 16, 1380-97	6.6	14
45	Extracellular Electrophysiology in the Prostate Cancer Cell Model PC-3. <i>Sensors</i> , 2019 , 19,	3.8	13
44	The first oxygen-bridged diorganoarsenic(V) compound: the crystal structure of AsMe ₂ (S)OAs(S)Me ₂ . <i>Journal of Organometallic Chemistry</i> , 1997 , 549, 187-192	2.3	13
43	New group 10 complexes of the bulky iminophosphine ligands [Ph ₂ PCH ₂ C(Ph)N(2,6-R ₂ C ₆ H ₃)], where R = Me, iPr. <i>New Journal of Chemistry</i> , 2005 , 29, 385-397	3.6	13
42	Synthesis, structure and catalytic activity of thioether-phosphane complexes of Pd(II) and Pt(II). <i>Dalton Transactions</i> , 2005 , 2151-61	4.3	13
41	Explorations into the Effect of meso-Substituents in Tricarbocyanine Dyes: A Path to Diverse Biomolecular Probes and Materials. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 6230-6241	16.4	13

40	Re and (99m)Tc complexes of BodP3--multi-modality imaging probes. <i>Chemical Communications</i> , 2014 , 50, 15503-5	5.8	12
39	Interactions between an Aryl Thioacetate-Functionalized Zn(II) Porphyrin and Graphene Oxide. <i>Advanced Functional Materials</i> , 2016 , 26, 687-697	15.6	11
38	Synthesis and structural investigations of Ni(II)- and Pd(II)-coordinated β -diimines with chlorinated backbones. <i>Inorganica Chimica Acta</i> , 2010 , 363, 1157-1172	2.7	11
37	Synthesis and structural investigations of bulky imino- and amido-phosphine palladium dimers. <i>Inorganica Chimica Acta</i> , 2006 , 359, 3677-3692	2.7	10
36	Development of a peptide-based fluorescent probe for biological heme monitoring. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 467-471	3.9	9
35	Synthesis of η^6 -arene complexes of molybdenum containing β -ketophosphine and related P,O mixed donor ligands. <i>Dalton Transactions RSC</i> , 2002 , 2491-2500		9
34	Synthesis of a new zwitterionic cyclopentadienyl-imidazolium compound and isolation of the 3,3'-(trans-3,5-cyclopentenyl)di(1-tert-butylimidazolium)bromide intermediate. <i>Tetrahedron Letters</i> , 2004 , 45, 8695-8698	2	8
33	Group 6 transition metal carbonyl complexes with chalcogen-bridged diarsenic(III) ligands. <i>Dalton Transactions RSC</i> , 2000 , 3347-3355		8
32	Multiphoton fluorescence lifetime imaging microscopy (FLIM) and super-resolution fluorescence imaging with a supramolecular biopolymer for the controlled tagging of polysaccharides. <i>Nanoscale</i> , 2019 , 11, 9498-9507	7.7	7
31	Detection and monitoring prostate specific antigen using nanotechnology approaches to biosensing. <i>Frontiers of Chemical Science and Engineering</i> , 2020 , 14, 4-18	4.5	6
30	Radio- and nano-chemistry of aqueous Ga(III) ions anchored onto graphene oxide-modified complexes. <i>Nanoscale</i> , 2020 , 12, 6603-6608	7.7	5
29	Reactivity of cationic β -diimine cyclopentadienyl nickel complexes towards AlEt ₂ Cl: synthesis, characterisation and ethylene polymerisation. <i>Catalysis Science and Technology</i> , 2017 , 7, 3128-3142	5.5	5
28	Synthesis, Radiolabelling and In Vitro Imaging of Multifunctional Nanoceramics. <i>ChemNanoMat</i> , 2018 , 4, 361-372	3.5	5
27	One-pot synthesis, characterisation and kinetic stability of novel side-bridged pentaazamacrocyclic copper(II) complexes. <i>RSC Advances</i> , 2014 , 4, 12964	3.7	5
26	Coordination and self-assembly in the crystal structure of K[AsMe ₂ S ₂] · 2H ₂ O. <i>Polyhedron</i> , 1998 , 17, 4115-4119	2.7	5
25	Confocal and fluorescence lifetime imaging sheds light on the fate of a pyrene-tagged carbon monoxide-releasing Fischer carbene chromium complex. <i>Dalton Transactions</i> , 2015 , 44, 4957-62	4.3	4
24	Labeling of Graphene, Graphene Oxides, and of Their Congeners. <i>Advances in Inorganic Chemistry</i> , 2016 , 68, 397-440	2.1	4
23	Directed Molecular Stacking for Engineered Fluorescent Three-Dimensional Reduced Graphene Oxide and Coronene Frameworks. <i>ChemistryOpen</i> , 2019 , 8, 1383-1398	2.3	4

22	Explorations into the Effect of meso-Substituents in Tricarbocyanine Dyes: A Path to Diverse Biomolecular Probes and Materials. <i>Angewandte Chemie</i> , 2021 , 133, 6295-6306	3.6	4
21	Structural Investigations, Cellular Imaging, and Radiolabeling of Neutral, Polycationic, and Polyanionic Functional Metalloporphyrin Conjugates. <i>Bioconjugate Chemistry</i> , 2021 , 32, 1374-1392	6.3	4
20	Structure-reactivity correlations in new W(IV) and Nb(IV) silicon-bridged ansa-metallocene hydrides. <i>Polyhedron</i> , 2006 , 25, 406-420	2.7	3
19	Silicon containing ferrocenyl phosphane ligands. <i>Journal of Organometallic Chemistry</i> , 2004 , 689, 770-774	4.3	3
18	Hybrid Hierarchical Heterostructures of Nanoceramic Phosphors as Imaging Agents for Multiplexing and Living Cancer Cells Translocation. <i>ACS Applied Bio Materials</i> , 2021 , 4, 4105-4118	4.1	3
17	Ion-Transfer Voltammetry at Carbon Nanofibre Membranes Produced by 500 °C Graphitisation/Graphenisation of Electrospun Poly-Acrylonitrile. <i>Electroanalysis</i> , 2014 , 26, 69-75	3	2
16	The Radiopharmaceutical Chemistry of Technetium and Rhenium 2014 , 137-164		2
15	An unprecedented iron(III) complex supported by an asymmetric N-capped tripodal ligand incorporating the NO ₂ S donor set. <i>Inorganica Chimica Acta</i> , 2010 , 363, 1297-1300	2.7	2
14	trans-Dichlorotri(cyclohexyl)arsenic(V). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1998 , 54, 219-221		2
13	SMALL MOLECULE FIXATION BY A SULFUR-NITROGEN RADICAL. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2004 , 179, 981-982	1	2
12	Shedding Light Onto the Nature of Iron Decorated Graphene and Graphite Oxide Nanohybrids for CO Conversion at Atmospheric Pressure. <i>ChemistryOpen</i> , 2020 , 9, 242-252	2.3	1
11	Novel rhenium(V) nitride complexes with dithiocarbamate ligands [A synchrotron X-ray and DFT structural investigation. <i>Inorganica Chimica Acta</i> , 2018 , 475, 142-149	2.7	1
10	Surface Modifications: Interactions between an Aryl Thioacetate-Functionalized Zn(II) Porphyrin and Graphene Oxide (Adv. Funct. Mater. 5/2016). <i>Advanced Functional Materials</i> , 2016 , 26, 634-634	15.6	1
9	Zirconium-89 radio-nanochemistry and its applications towards the bioimaging of prostate cancer. <i>Inorganica Chimica Acta</i> , 2019 , 496, 119041	2.7	1
8	Self- and Directed-Assembly of Metallic and Nonmetallic Fluorophors: Considerations into Graphene and Graphene Oxides for Sensing and Imaging Applications 2019 , 469-505		1
7	The Radiopharmaceutical Chemistry of Gallium(III) and Indium(III) for SPECT Imaging 2014 , 165-178		1
6	Explorations into Peptide Nucleic Acid Contrast Agents as Emerging Scaffolds for Breakthrough Solutions in Medical Imaging and Diagnosis. <i>ACS Omega</i> , 2021 , 6, 28455-28462	3.9	1
5	Investigations into the reactivity of lithium indenyl with alpha diimines with chlorinated backbones and formation of related functional ligands and metal complexes. <i>Polyhedron</i> , 2016 , 119, 532-547	2.7	0

4	Self-Assembled Materials Incorporating Functional Porphyrins and Carbon Nanoplatforms as Building Blocks for Photovoltaic Energy Applications. <i>Frontiers in Chemistry</i> , 2021 , 9, 727574	5	o
3	Nano-Theranostics for the Sensing, Imaging and Therapy of Prostate Cancers.. <i>Frontiers in Chemistry</i> , 2022 , 10, 830133	5	o
2	Exploring Pathways for Activation of Carbon Monoxide by Palladium Iminophosphines. <i>ChemPlusChem</i> , 2013 , 78, 1413-1420	2.8	
1	Functional, Aromatic, and Fluorinated Monothiosemicarbazones: Investigations into Their Structures and Activity toward the Gallium-68 Incorporation by Microwave Irradiation.. <i>ACS Omega</i> , 2022 , 7, 13750-13777	3.9	