Luca Prodi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3176195/publications.pdf

Version: 2024-02-01

241 papers	14,018 citations	16411 64 h-index	30848 102 g-index
263 all docs	263 docs citations	263 times ranked	13509 citing authors

#	Article	IF	Citations
1	Handbook of Photochemistry. , 0, , .		1,335
2	Luminescent chemosensors for transition metal ions. Coordination Chemistry Reviews, 2000, 205, 59-83.	9.5	804
3	An Effective Fluorescent Chemosensor for Mercury Ions. Journal of the American Chemical Society, 2000, 122, 6769-6770.	6.6	302
4	8-Hydroxyquinoline Derivatives as Fluorescent Sensors for Magnesium in Living Cells. Journal of the American Chemical Society, 2006, 128, 344-350.	6.6	273
5	A Photochemically Driven Molecular Machine. Angewandte Chemie International Edition in English, 1993, 32, 1301-1303.	4.4	248
6	Dye-doped silica nanoparticles as luminescent organized systems for nanomedicine. Chemical Society Reviews, 2014, 43, 4243-4268.	18.7	242
7	Luminescent Silica Nanoparticles: Extending the Frontiers of Brightness. Angewandte Chemie - International Edition, 2011, 50, 4056-4066.	7.2	241
8	Luminescent chemosensors: from molecules to nanoparticles. New Journal of Chemistry, 2005, 29, 20.	1.4	240
9	Simple Mechanical Molecular and Supramolecular Machines: Photochemical and Electrochemical Control of Switching Processes. Chemistry - A European Journal, 1997, 3, 152-170.	1.7	212
10	Synthesis, Structure and Photophysics of Neutral Ï€-Associated [2]Catenanes. Chemistry - A European Journal, 1998, 4, 608-620.	1.7	212
11	Self-Assembly, Spectroscopic, and Electrochemical Properties of [n]Rotaxanes1. Journal of the American Chemical Society, 1996, 118, 4931-4951.	6.6	204
12	Luminescent Lanthanide Complexes of a Bis-bipyridine-phosphine-oxide Ligand as Tools for Anion Detection. Journal of the American Chemical Society, 2002, 124, 7779-7788.	6.6	193
13	Imaging agents based on lanthanide doped nanoparticles. Chemical Society Reviews, 2015, 44, 4922-4952.	18.7	181
14	Molecular Meccano. 4. The Self-Assembly of [2]Catenanes Incorporating Photoactive .pi.-Extended Systems. Journal of the American Chemical Society, 1995, 117, 11171-11197.	6.6	168
15	Recent developments in transition metal ion detection by luminescent chemosensors. Coordination Chemistry Reviews, 2000, 208, 17-32.	9.5	164
16	Ru(bpy)₃ Covalently Doped Silica Nanoparticles as Multicenter Tunable Structures for Electrochemiluminescence Amplification. Journal of the American Chemical Society, 2009, 131, 2260-2267.	6.6	155
17	The Slipping Approach to Self-Assembling [n]Rotaxanesâ€. Journal of the American Chemical Society, 1997, 119, 302-310.	6.6	150
18	A Luminescent Anion Sensor Based on a Europium Hybrid Complex. Journal of the American Chemical Society, 2001, 123, 12694-12695.	6.6	140

#	Article	IF	Citations
19	From observed to corrected luminescence intensity of solution systems: an easy-to-apply correction method for standard spectrofluorimeters. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1998, 54, 159-170.	2.0	134
20	Iridium Doped Silicaâ^'PEG Nanoparticles: Enabling Electrochemiluminescence of Neutral Complexes in Aqueous Media. Journal of the American Chemical Society, 2009, 131, 14208-14209.	6.6	130
21	A Selective, Nontoxic, OFFâ€"ON Fluorescent Molecular Sensor Based on 8â€Hydroxyquinoline for Probing Cd²⁺ in Living Cells. Chemistry - A European Journal, 2010, 16, 919-930.	1.7	129
22	A Light-Fueled â€œPiston Cylinderâ€•Molecular-Level Machine. Journal of the American Chemical Society, 1998, 120, 11190-11191.	6.6	128
23	Hydrogen-Bonded Complexes of Aromatic Crown Ethers with (9-Anthracenyl)methylammonium Derivatives. Supramolecular Photochemistry and Photophysics. pH-Controllable Supramolecular Switching. Journal of the American Chemical Society, 1997, 119, 10641-10651.	6.6	127
24	Novel routes to substituted 5,10,15-triarylcorroles. Journal of Porphyrins and Phthalocyanines, 2003, 07, 25-36.	0.4	127
25	Photophysical poperties of Schiff-base metal complexes. New Journal of Chemistry, 2003, 27, 692-697.	1.4	126
26	Enantioselective Fluorescence Sensing of Amino Acids by Modified Cyclodextrins: Role of the Cavity and Sensing Mechanism. Chemistry - A European Journal, 2004, 10, 2749-2758.	1.7	121
27	Kinetics of Place-Exchange Reactions of Thiols on Gold Nanoparticles. Langmuir, 2003, 19, 5172-5174.	1.6	119
28	Luminescent europium(3+), terbium(3+) and gadolinium(3+) complexes of a branched-triazacyclononane ligand containing three 2,2'-bipyridine units. Inorganic Chemistry, 1991, 30, 3798-3802.	1.9	118
29	Characterization of 5-chloro-8-methoxyquinoline appended diaza-18-crown-6 as a chemosensor for cadmium. Tetrahedron Letters, 2001, 42, 2941-2944.	0.7	113
30	Searching for New Luminescent Sensors: Synthesis and Photophysical Properties of a Tripodal Ligand Incorporating the Dansyl Chromophore and of Its Metal Complexes. European Journal of Inorganic Chemistry, 1999, 1999, 455-460.	1.0	111
31	Fluorescence quenching amplification in silica nanosensors for metal ions. Journal of Materials Chemistry, 2005, 15, 2810.	6.7	111
32	Green and Blue Electrochemically Generated Chemiluminescence from Click Chemistryâ€"Customizable Iridium Complexes. Chemistry - A European Journal, 2011, 17, 4640-4647.	1.7	110
33	Electrogenerated chemiluminescence from metal complexes-based nanoparticles for highly sensitive sensors applications. Coordination Chemistry Reviews, 2018, 367, 65-81.	9.5	110
34	Self-Organizing Coreâ^'Shell Nanostructures:â€‰ Spontaneous Accumulation of Dye in the Core of Doped Silica Nanoparticles. Journal of the American Chemical Society, 2007, 129, 14251-14256.	6.6	106
35	Simple Molecular Machines: Chemically Driven Unthreading and Rethreading of a[2]Pseudorotaxane. Angewandte Chemie International Edition in English, 1996, 35, 978-981.	4.4	101
36	Catenated Cyclodextrins. Chemistry - A European Journal, 1995, 1, 33-55.	1.7	99

#	Article	IF	Citations
37	Variable Doping Induces Mechanism Swapping in Electrogenerated Chemiluminescence of Ru(bpy)₃²⁺ Coreâ€“Shell Silica Nanoparticles. Journal of the American Chemical Society, 2016, 138, 15935-15942.	6.6	98
38	Tandem Hetero-Catenation:Â Templating and Self-Assembly in the Mutual Closure of Two Different Interlocking Rings. Journal of the American Chemical Society, 1998, 120, 1096-1097.	6.6	96
39	Cancer-Cell-Targeted Theranostic Cubosomes. Langmuir, 2014, 30, 6228-6236.	1.6	95
40	Drug-Loaded Fluorescent Cubosomes: Versatile Nanoparticles for Potential Theranostic Applications. Langmuir, 2013, 29, 6673-6679.	1.6	94
41	Photophysical and Electrochemical Characterisation of the Interactions between Components in Neutral Ï€-Associated [2]Catenanes. Chemistry - A European Journal, 2000, 6, 608-617.	1.7	93
42	Solvent-Induced Modulation of Collective Photophysical Processes in Fluorescent Silica Nanoparticles. Journal of the American Chemical Society, 2002, 124, 13540-13546.	6.6	92
43	Origins of â€˜onâ€“offâ€™ fluorescent behavior of 8-hydroxyquinoline containing chemosensors. Tetrahedron, 2004, 60, 11139-11144.	1.0	90
44	RuII-Polypyridine Complexes Covalently Linked to Electron Acceptors as Wires for Light-Driven Pseudorotaxane-Type Molecular Machines. Chemistry - A European Journal, 1998, 4, 2413-2422.	1.7	89
45	A fluorescent sensor for magnesium ions. Tetrahedron Letters, 1998, 39, 5451-5454.	0.7	88
46	Temperatureâ€Dependent Fluorescence of Cu₅ Metal Clusters: A Molecular Thermometer. Angewandte Chemie - International Edition, 2012, 51, 9662-9665.	7.2	87
47	Photophysical Behaviour of Corrole and its Symmetrical and Unsymmetrical Dyads. , 1999, 03, 364-370.		82
48	Energy Transfer from Silica Coreâ€'Surfactant Shell Nanoparticles to Hosted Molecular Fluorophores. Journal of Physical Chemistry B, 2010, 114, 14605-14613.	1.2	82
49	Nanoparticles in metal complexes-based electrogenerated chemiluminescence for highly sensitive applications. Coordination Chemistry Reviews, 2012, 256, 1664-1681.	9.5	82
50	Dynamic Chemical Devices: Modulation of Photophysical Properties by Reversible, Ion-Triggered, and Proton-Fuelled Nanomechanical Shape-Flipping Molecular Motions. Chemistry - A European Journal, 2004, 10, 2953-2959.	1.7	81
51	Prevention of Selfâ€Quenching in Fluorescent Silica Nanoparticles by Efficient Energy Transfer. Angewandte Chemie - International Edition, 2013, 52, 5965-5968.	7.2	80
52	Energy transfer processes in dye-doped nanostructures yield cooperative and versatile fluorescent probes. Nanoscale, 2014, 6, 3022-3036.	2.8	80
53	Energy Transfer in Fluorescent Silica Nanoparticles. Langmuir, 2004, 20, 2989-2991.	1.6	79
54	A [RuII(bipy)3]-[1,9-diamino-3,7-diazanonane-4,6-dione] two-component system, as an efficient ONâ€“OFF luminescent chemosensor for Ni2+ and Cu2+ in water, based on an ET (energy transfer) mechanism. Journal of the Chemical Society Dalton Transactions, 1999, , 1381-1386.	1.1	78

#	Article	IF	Citations
55	Dyeâ€Doped Silica Nanoparticles for Enhanced ECLâ€Based Immunoassay Analytical Performance. Angewandte Chemie - International Edition, 2020, 59, 21858-21863.	7.2	78
56	Synthesis and characterization of Î²-fused porphyrin-BODIPYÂ® dyads. Tetrahedron, 2004, 60, 1099-1106.	1.0	75
57	Synthesis and Functionalization of Germanium Triphenylcorrolate: The First Example of a Partially Brominated Corrole. European Journal of Inorganic Chemistry, 2007, 2007, 2345-2352.	1.0	75
58	Dansylated Polyamines as Fluorescent Sensors for Metal Ions: Photophysical Properties and Stability of Copper(II) Complexes in Solution. Helvetica Chimica Acta, 2001, 84, 690-706.	1.0	72
59	Size Effect on the Fluorescence Properties of Dansyl-Doped Silica Nanoparticles. Langmuir, 2006, 22, 5877-5881.	1.6	72
60	Enhanced Sensitized NIR Luminescence from Gold Nanoparticles via Energy Transfer from Surface-Bound Fluorophores. Journal of the American Chemical Society, 2007, 129, 2418-2419.	6.6	72
61	Induced Fit Interanion Discrimination by Binding-Induced Excimer Formation. Journal of the American Chemical Society, 2008, 130, 4105-4113.	6.6	70
62	Luminescent Silica Nanoparticles for Cancer Diagnosis. Current Medicinal Chemistry, 2013, 20, 2195-2211.	1.2	70
63	C₆₀@Lysozyme: Direct Observation by Nuclear Magnetic Resonance of a 1:1 Fullerene Protein Adduct. ACS Nano, 2014, 8, 1871-1877.	7.3	70
64	Chemiluminescent detection systems of horseradish peroxidase employing nucleophilic acylation catalysts. Analytical Biochemistry, 2008, 377, 189-194.	1.1	66
65	Multimodal Use of New Coumarinâ€Based Fluorescent Chemosensors: Towards Highly Selective Optical Sensors for Hg²⁺ Probing. Chemistry - A European Journal, 2013, 19, 14639-14653.	1.7	66
66	Luminescence properties of cryptate europium (III) complexes incorporating heterocyclic N-oxide groups. Chemical Physics Letters, 1991, 180, 45-50.	1.2	65
67	Cyclophanes and [2]Catenanes as Ligands for Transition Metal Complexes: Synthesis, Structure, Absorption Spectra, and Excited State and Electrochemical Properties. Chemistry - A European Journal, 1998, 4, 590-607.	1.7	64
68	Mono- and Dinuclear Ruthenium(II) and Osmium(II) Polypyridine Complexes Built around Spiro-Bridged Bis(phenanthroline) Ligands: Synthesis, Electrochemistry, and Photophysics. Inorganic Chemistry, 2000, 39, 3590-3598.	1.9	62
69	Energy Transfer from a Fluorescent Hydrogel to a Hosted Fluorophore. Langmuir, 2006, 22, 2299-2303.	1.6	62
70	Î²-Fused Oligoporphyrins:Â A Novel Approach to a New Type of Extended Aromatic System. Journal of the American Chemical Society, 2000, 122, 11295-11302.	6.6	61
71	Fully reversible guest exchange in tetraphosphonate cavitand complexes probed by fluorescence spectroscopy. Chemical Communications, 2008, , 1638.	2.2	61
72	The self assembly of controllable [2]catenanes. Journal of the Chemical Society Chemical Communications, 1994, , 177-180.	2.0	60

#	Article	IF	Citations
73	A Strategy for the Assembly of Multiple Porphyrin Arrays Based on the Coordination Chemistry of Ru-Centered Porphyrin Pentamers. Journal of Organic Chemistry, 2001, 66, 4476-4486.	1.7	60
74	The Erratic Emission of Pyrene on Gold Nanoparticles. ACS Nano, 2008, 2, 77-84.	7.3	60
75	Amplified Fluorescence Response of Chemosensors Grafted onto Silica Nanoparticles. Langmuir, 2008, 24, 8387-8392.	1.6	58
76	Molecular Recognition on a Cavitand-Functionalized Silicon Surface. Journal of the American Chemical Society, 2009, 131, 7447-7455.	6.6	58
77	Surface Chemistry Architecture of Silica Nanoparticles Determine the Efficiency ofin VivoFluorescence Lymph Node Mapping. ACS Nano, 2013, 7, 8645-8657.	7.3	58
78	Synthesis and Photophysical Properties of Fluorescent Derivatives of Methylmercury. Organometallics, 1996, 15, 2415-2417.	1.1	57
79	Multicolor core/shell silicananoparticles for in vivo and ex vivo imaging. Nanoscale, 2012, 4, 824-830.	2.8	55
80	Highly Selective Chemical Vapor Sensing by Molecular Recognition: Specific Detection of C₁â€“C₄ Alcohols with a Fluorescent Phosphonate Cavitand. Angewandte Chemie - International Edition, 2011, 50, 4654-4657.	7.2	54
81	A versatile strategy for tuning the color of electrochemiluminescence using silica nanoparticles. Chemical Communications, 2012, 48, 4187.	2.2	54
82	Static quenching upon adduct formation: a treatment without shortcuts and approximations. Chemical Society Reviews, 2021, 50, 8414-8427.	18.7	54
83	A New Family of Luminescent Sensors for Alkaline Earth Metal Ions. Chemistry - A European Journal, 1998, 4, 1090-1094.	1.7	51
84	Synthesis, Electrochemical, and Photophysical Study of Covalently Linked Porphyrin Dimers with Two Different Macrocycles. Inorganic Chemistry, 1998, 37, 2358-2365.	1.9	51
85	Luminescent Chemosensors Based on Silica Nanoparticles. Topics in Current Chemistry, 2010, 300, 93-138.	4.0	50
86	Bioinspired Systems for Metal-Ion Sensing: New Emissive Peptide Probes Based on Benzo[d]oxazole Derivatives and Their Gold and Silica Nanoparticles. Inorganic Chemistry, 2011, 50, 8834-8849.	1.9	50
87	Synthesis of macrocycles and an unusually asymmetric [2]catenane via templated acetylenic couplings. Journal of the Chemical Society Perkin Transactions 1, 1999, , 1057-1066.	0.9	49
88	New europium(iii) complexes containing hybrid ligands with hard and soft complexation centres. New Journal of Chemistry, 2003, 27, 134-139.	1.4	48
89	Amphiphilic porphyrin film on glass as a simple and selective solid-state chemosensor for aqueous Hg2+. Biosensors and Bioelectronics, 2006, 22, 399-404.	5.3	48
90	Proper design of silica nanoparticles combines high brightness, lack of cytotoxicity and efficient cell endocytosis. Nanoscale, 2013, 5, 7897.	2.8	47

#	Article	IF	Citations
91	The synthesis of azacrown ethers with quinoline-based sidearms as potential zinc(II) fluorophores. Tetrahedron, 2002, 58, 4809-4815.	1.0	46
92	Dinuclear europium(3+), terbium(3+) and gadolinium(3+) complexes of a branched hexaazacyclooctadecane ligand containing six 2,2'-bipyridine pendant units. Inorganic Chemistry, 1993, 32, 1237-1241.	1.9	45
93	A new pyridine-based 12-membered macrocycle functionalised with different fluorescent subunits; coordination chemistry towards CuII, ZnII, CdII, HgII, and PbII. Dalton Transactions, 2004, , 2771-2779.	1.6	45
94	An electrochemiluminescence-supramolecular approach to sarcosine detection for early diagnosis of prostate cancer. Faraday Discussions, 2015, 185, 299-309.	1.6	45
95	Coordination chemistry of N-aminopropyl pendant arm derivatives of mixed N/S-, and N/S/O-donor macrocycles, and construction of selective fluorimetric chemosensors for heavy metal ions. Dalton Transactions, 2005, , 2994.	1.6	44
96	Applications of nanoparticles in cancer medicine and beyond: optical and multimodalin vivoimaging, tissue targeting and drug delivery. Expert Opinion on Drug Delivery, 2015, 12, 1837-1849.	2.4	44
97	Cubosomes forin vivofluorescence lifetime imaging. Nanotechnology, 2017, 28, 055102.	1.3	44
98	Synthesis of a highly Mg2+-selective fluorescent probe and its application to quantifying and imaging total intracellular magnesium. Nature Protocols, 2017, 12, 461-471.	5.5	43
99	A Versatile Strategy for Signal Amplification Based on Core/Shell Silica Nanoparticles. Chemistry - A European Journal, 2011, 17, 13429-13432.	1.7	42
100	Luminescence signalled enantiomeric recognition of chiral organic ammonium ions by an enantiomerically pure dimethylacridino-18-crown-6 ligand. New Journal of Chemistry, 2000, 24, 781-785.	1.4	41
101	Luminescent chemosensors based on silicananoparticles for the detection of ionic species. New Journal of Chemistry, 2013, 37, 28-34.	1.4	41
102	Supramolecular Photochemistry and Photophysics. A Cylindrical Macrotricyclic Receptor and Its Adducts with Protons, Ammonium Ions, and a Pt(II) Complex. Journal of the American Chemical Society, 1994, 116, 5741-5746.	6.6	40
103	Synthesis of Functionalized Calix[4]arene Ligands Incorporating BipyridineN,Nâ€²-Dioxide Chromophores and Luminescence of Their Lanthanide Complexes. European Journal of Inorganic Chemistry, 1998, 1998, 1959-1965.	1.0	39
104	Inner filter effects and other traps in quantitative spectrofluorimetric measurements: Origins and methods of correction. Journal of Molecular Structure, 2014, 1077, 30-39.	1.8	39
105	Numerical Simulation of Doped Silica Nanoparticle Electrochemiluminescence. Journal of Physical Chemistry C, 2015, 119, 26111-26118.	1.5	39
106	Pluronic-Silica (PluS) Nanoparticles Doped with Multiple Dyes Featuring Complete Energy Transfer. Journal of Physical Chemistry C, 2014, 118, 9261-9267.	1.5	37
107	Supramolecular photochemistry and photophysics. Adducts of Pt(bpy)(NH3)22+ with aromatic crown ethers. Journal of the American Chemical Society, 1989, 111, 7072-7078.	6.6	36
108	Photophysics of 1,3-alternate calix[4]arene-crowns and of their metal ion complexes: evidence for cationâ€“Ï€ interactions in solution. New Journal of Chemistry, 2000, 24, 155-158.	1.4	36

#	Article	IF	Citations
109	Self-Assembly of Nanosize Coordination Cages on Si(100) Surfaces. Chemistry - A European Journal, 2007, 13, 6891-6898.	1.7	36
110	Hierarchical Self-Assembly on Silicon. Journal of the American Chemical Society, 2010, 132, 4781-4789.	6.6	36
111	NIR-fluorescent dye doped silica nanoparticles forin vivoimaging, sensing and theranostic. Methods and Applications in Fluorescence, 2018, 6, 022002.	1.1	36
112	Convenient syntheses and preliminary photophysical properties of novel 8-aminoquinoline appended diaza-18-crown-6 ligands. Tetrahedron, 2001, 57, 7623-7628.	1.0	35
113	Exploiting Fast Exciton Diffusion in Dye-Doped Polymer Nanoparticles to Engineer Efficient Photoswitching. Journal of Physical Chemistry Letters, 2015, 6, 2259-2264.	2.1	35
114	Spontaneous deposition of amphiphilic porphyrin films on glassElectronic supplementary information (ESI) available: detailed kinetic studies and procedures, and aggregation studies on 1H2 and 2H2. See http://www.rsc.org/suppdata/nj/b4/b403591g/. New Journal of Chemistry, 2004, 28, 1123.	1.4	34
115	A versatile synthetic strategy for construction of large oligomers: binding and photophysical properties of a nine-porphyrin array. Chemical Communications, 1999, , 1083-1084.	2.2	33
116	Electrochemistry and Electrochemiluminescence of [Ru(II)-tris(bathophenanthroline-disulfonate)]^{4â^'} in Aprotic Conditions and Aqueous Buffers. Journal of Physical Chemistry B, 2008, 112, 10188-10193.	1.2	33
117	Synthesis and Characterization of Photoswitchable Fluorescent SiO₂ Nanoparticles. Chemistry - A European Journal, 2012, 18, 814-821.	1.7	33
118	Targeted dual-color silica nanoparticles provide univocal identification of micrometastases in preclinical models of colorectal cancer. International Journal of Nanomedicine, 2012, 7, 4797.	3.3	31
119	Understanding the photophysical properties of coumarin-based Pluronicâ€“silica (PluS) nanoparticles by means of time-resolved emission spectroscopy and accurate TDDFT/stochastic calculations. Physical Chemistry Chemical Physics, 2013, 15, 12360.	1.3	31
120	Photophysical properties of supramolecular assemblies containing polypyridine complexes and pyrene chromophores. New Journal of Chemistry, 2001, 25, 1132-1135.	1.4	30
121	Reversal of the glycolytic phenotype of primary effusion lymphoma cells by combined targeting of cellular metabolism and PI3K/Akt/ mTOR signaling. Oncotarget, 2016, 7, 5521-5537.	0.8	30
122	A simple fluorescent chemosensor for alkaline-earth metal ions. Journal of Photochemistry and Photobiology A: Chemistry, 2000, 136, 49-52.	2.0	29
123	Modulation of the Photophysical Properties of Gold Nanoparticles by Accurate Control of the Surface Coverage. Langmuir, 2004, 20, 7884-7886.	1.6	29
124	Photochemistry of supramolecular and species. Pure and Applied Chemistry, 1990, 62, 1457-1466.	0.9	28
125	Reversible photoswitching of dye-doped coreâ€“shell nanoparticles. Chemical Communications, 2011, 47, 10975.	2.2	28
126	Ratiometric fluorescence sensing and cellular imaging of Cu2+ by a new water soluble trehalose-naphthalimide based chemosensor. RSC Advances, 2013, 3, 24288.	1.7	28

#	Article	IF	Citations
127	Einfache molekulare Maschinen: chemisch gesteuertes AusfÃdeln und RÃ¼ckeinfÃdeln eines [2]Pseudorotaxans. Angewandte Chemie, 1996, 108, 1056-1059.	1.6	27
128	A Simple Spectrofluorometric Assay to Measure Total Intracellular Magnesium by a Hydroxyquinoline Derivative. Journal of Fluorescence, 2009, 19, 11-19.	1.3	27
129	6-Azahemiporphycene: A New Member of the Porphyrinoid Family. Inorganic Chemistry, 2009, 48, 10346-10357.	1.9	27
130	A fluorescent ratiometric nanosized system for the determination of PdII in water. Chemical Communications, 2014, 50, 15259-15262.	2.2	27
131	PluS Nanoparticles as a tool to control the metal complex stoichiometry of a new thio-aza macrocyclic chemosensor for Ag(I) and Hg(II) in water. Sensors and Actuators B: Chemical, 2015, 207, 1035-1044.	4.0	27
132	A Highly Emissive Waterâ€Soluble Phosphorus Corrole. Chemistry - A European Journal, 2017, 23, 905-916.	1.7	26
133	Diaza-18-crown-6 hydroxyquinoline derivatives as flexible tools for the assessment and imaging of total intracellular magnesium. Chemical Science, 2012, 3, 727-734.	3.7	25
134	Î²-Pyrazino-fused tetrarylporphyrins. Dyes and Pigments, 2013, 99, 136-143.	2.0	25
135	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2001, 41, 123-127.	1.6	24
136	A convenient synthesis and preliminary photophysical study of novel fluoroionophores: macrocyclic polyamines containing two dansylamidoethyl side arms. Tetrahedron, 2001, 57, 87-91.	1.0	24
137	Phosphine and Phosphonite Complexes of a Ru(II) Porphyrin. 2. Photophysical and Electrochemical Studies. Inorganic Chemistry, 2002, 41, 5269-5275.	1.9	24
138	Quinoline-Containing Calixarene Fluoroionophores: A Combined NMR, Photophysical and Modeling Study. European Journal of Organic Chemistry, 2003, 2003, 1475-1485.	1.2	24
139	Synthesis, photophysical characterisation and metal ion binding properties of new ligands containing anthracene chromophores. Inorganica Chimica Acta, 2004, 357, 4078-4084.	1.2	24
140	A novel fluorescent chemosensor allows the assessment of intracellular total magnesium in small samples. Analyst, The, 2014, 139, 1201-1207.	1.7	24
141	Silicon(IV) Corroles. Chemistry - A European Journal, 2018, 24, 8438-8446.	1.7	24
142	Electronic energy transfer in adducts of aromatic crown ethers with protonated 9-methylaminomethylanthracene. Chemical Communications, 1996, , 2011.	2.2	23
143	Luminescent Chemosensors Based on Anthracene or Dioxyxanthone Derivatives. Journal of Fluorescence, 2000, 10, 71-71.	1.3	23
144	Microwave Assisted Synthesis of a Small Library of SubstitutedN,Nâ€²-Bis((8-hydroxy-7-quinolinyl)methyl)-1,10-diaza-18-crown-6 Ethers. Journal of Organic Chemistry, 2010, 75, 6275-6278.	1.7	23

#	Article	IF	Citations
145	Multimodal near-infrared-emitting PluS Silica nanoparticles with fluorescent, photoacoustic, and photothermal capabilities. International Journal of Nanomedicine, 2016, Volume 11, 4865-4874.	3.3	23
146	A Fluorescent Sensor Array Based on Heteroatomic Macrocyclic Fluorophores for the Detection of Polluting Species in Natural Water Samples. Frontiers in Chemistry, 2018, 6, 258.	1.8	23
147	Synthesis and Electrochemiluminescence of a Ru(bpy)₃-Labeled Coupling Adduct Produced on a Self-Assembled Monolayer. Journal of Physical Chemistry C, 2008, 112, 2949-2957.	1.5	22
148	SOLVENT EFFECTS ON THE RATE vs FREE ENERGY DEPENDENCE OF PHOTOINDUCED CHARGE SEPARATION IN FIXED-DISTANCE DONOR-ACCEPTOR MOLECULES. , 1992, , 87-103.		21
149	Modulation of Photochemical Properties in Ionâ€Controlled Multicomponent Dynamic Devices. European Journal of Inorganic Chemistry, 2009, 2009, 2621-2628.	1.0	20
150	Dye-doped nanomaterials: Strategic design and role in electrochemiluminescence. Current Opinion in Electrochemistry, 2018, 7, 130-137.	2.5	20
151	Two polyaminophenolic fluorescent chemosensors for H⁺and Zn(<scp>ii</scp>). Spectroscopic behaviour of free ligands and of their dinuclear Zn(<scp>ii</scp>) complexes. New Journal of Chemistry, 2009, 33, 171-180.	1.4	19
152	Multiple dye-doped NIR-emitting silica nanoparticles for both flow cytometry and in vivo imaging. RSC Advances, 2014, 4, 18278-18285.	1.7	18
153	A fluorescent probe for ecstasy. Chemical Communications, 2015, 51, 12799-12802.	2.2	18
154	Neutral Dye-Doped Silica Nanoparticles for Electrogenerated Chemiluminescence Signal Amplification. Journal of Physical Chemistry C, 2019, 123, 5686-5691.	1.5	18
155	The synthesis and complexation studies of thia-anthracene receptors. Tetrahedron, 1999, 55, 11553-11562.	1.0	17
156	Synthesis, Complexation and Photophysics of 1,3-alternate Calix[4]arene-crowns-6 Bearing Fluorophoric Units on the Bridge. Supramolecular Chemistry, 2001, 13, 419-434.	1.5	16
157	Double helical and monomeric Ag(i) and Zn(ii) complexes of 1,2-cyclohexanediyl-bis(iminophenanthridine) ligands. Dalton Transactions, 2003, , 4340.	1.6	16
158	Stabilization of terpyridine covered gold nanoparticles by metal ions complexation. New Journal of Chemistry, 2007, 31, 102-108.	1.4	16
159	Systematic approach in Mg2+ ions analysis with a combination of tailored fluorophore design. Analytica Chimica Acta, 2017, 988, 96-103.	2.6	16
160	New Lanthanide Metalloligands and Their Use for the Assembly of Lnâ€“Ag Bimetallic Coordination Frameworks: Stepwise Modular Synthesis, Structural Characterization, and Optical Properties. Crystal Growth and Design, 2019, 19, 5376-5389.	1.4	16
161	Bright Phosphorescence of All-Organic Chromophores Confined within Water-Soluble Silica Nanoparticles. Journal of Physical Chemistry C, 2019, 123, 29884-29890.	1.5	16
162	Multimetallic porphyrin monomers. Chemical Communications, 1998, , 2031-2032.	2.2	15

#	Article	IF	Citations
163	Supramolecular Metal-Polypyridyl and Ru(II) Porphyrin Complexes: Photophysical, Electron Paramagnetic Resonance, and Electrochemical Studies. Inorganic Chemistry, 2008, 47, 5425-5440.	1.9	15
164	Electrostatically driven interaction of silica-supported lipid bilayer nanoplatforms and a nerve growth factor-mimicking peptide. Soft Matter, 2013, 9, 4648.	1.2	15
165	Zn²⁺/Cd²⁺ optical discrimination by fluorescent acridine-based bis-macrocylic receptors. Supramolecular Chemistry, 2017, 29, 912-921.	1.5	15
166	Non-enzymatic portable optical sensors for microcystin-LR. Chemical Communications, 2018, 54, 2747-2750.	2.2	15
167	Dyeâ€Doped Silica Nanoparticles for Enhanced ECLâ€Based Immunoassay Analytical Performance. Angewandte Chemie, 2020, 132, 22042-22047.	1.6	15
168	A highly pH-sensitive Zn(ii) chemosensor. Dalton Transactions, 2010, 39, 7080.	1.6	14
169	Iridium(III)â€Doped Coreâ€Shell Silica Nanoparticles: Nearâ€IR Electrogenerated Chemiluminescence in Water. ChemElectroChem, 2017, 4, 1690-1696.	1.7	14
170	Effect of Surface Chemistry on Incorporation of Nanoparticles within Calcite Single Crystals. Crystal Growth and Design, 2019, 19, 4429-4435.	1.4	14
171	Photoluminescenceâ€Based Techniques for the Detection of Microâ€and Nanoplastics. Chemistry - A European Journal, 2021, 27, 17529-17541.	1.7	14
172	Photothermal sensitisation and therapeutic properties of a novel far-red absorbing cyanine. Photochemical and Photobiological Sciences, 2009, 8, 1422-1431.	1.6	13
173	Tailored SiO2-based coatings for dye doped superparamagnetic nanocomposites. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 410, 111-118.	2.3	13
174	Aluminum, Gallium, Germanium, Copper, and Phosphorus Complexes of meso-Triaryltetrabenzocorrole. Inorganic Chemistry, 2013, 52, 4061-4070.	1.9	13
175	Tandem Dye-Doped Nanoparticles for NIR Imaging via Cerenkov Resonance Energy Transfer. Frontiers in Chemistry, 2020, 8, 71.	1.8	13
176	The influence of fluorescent silica nanoparticle surface chemistry on the energy transfer processes with lipid bilayers. RSC Advances, 2016, 6, 52674-52682.	1.7	12
177	Dye-doped silica nanoparticle probes for fluorescence lifetime imaging of reductive environments in living cells. RSC Advances, 2016, 6, 104164-104172.	1.7	12
178	Engineered Nanostructured Materials for Ofloxacin Delivery. Frontiers in Chemistry, 2018, 6, 554.	1.8	12
179	Ultrasensitive PCR-Free detection of whole virus genome by electrochemiluminescence. Biosensors and Bioelectronics, 2022, 209, 114165.	5.3	12
180	Probes and Sensors for Cations. , 2005, , 1-57.		11

#	Article	IF	Citations
181	A quest for supramolecular gelators: silver(i) complexes with quinoline-urea derivatives. Dalton Transactions, 2013, 42, 16949.	1.6	11
182	Nitroxides as Building Blocks for Nanoantioxidants. ACS Applied Materials & Interfaces, 2021, 13, 31996-32004.	4.0	11
183	Supramolecular photochemistry and photophysics: mutual inhibition of host and guest photochemistry and luminescence in the adduct of an anthraceno-crown ether with diamine(2,2'-bipyridine)platinum(2+). The Journal of Physical Chemistry, 1991, 95, 2080-2083.	2.9	10
184	Oscillating luminescence in the Belousov-Zhabotinsky reaction catalyzed by Ru(bpy)32+. Inorganica Chimica Acta, 1995, 233, 21-23.	1.2	10
185	Absorption and luminescence as a function of pH for carboxylic acid-functionalized ReI tricarbonyls. Journal of Organometallic Chemistry, 2000, 593-594, 267-273.	0.8	10
186	Luminescence of Gold Nanoparticles. , 2007, , 99-128.		10
187	Fullerenol entrapment in calcite microspheres. Chemical Communications, 2011, 47, 10662.	2.2	10
188	Solid state deposition of chiral amphiphilic porphyrin derivatives on glass surface. Journal of Porphyrins and Phthalocyanines, 2011, 15, 1209-1219.	0.4	10
189	Guest-controlled aggregation of cavitand gold nanoparticles and N-methyl pyridinium-terminated PEG. Chemical Communications, 2011, 47, 6596.	2.2	10
190	Photophysical Characterisation, Metal Ion Binding and Enantiomeric Recognition of Chiral Ligands Containing Phenazine Fluorophore. Collection of Czechoslovak Chemical Communications, 2004, 69, 885-896.	1.0	10
191	Characterization of titanium dioxide nanoparticles imprinted for tyrosine by flow field-flow fractionation and spectrofluorimetric analysis. Inorganica Chimica Acta, 2007, 360, 1063-1071.	1.2	8
192	Structural Changes in a Protein Fragment from Abalone Shell during the Precipitation of Calcium Carbonate. Chemistry - A European Journal, 2012, 18, 14367-14374.	1.7	8
193	Dualâ€Mode, Anisotropyâ€Encoded, Ratiometric Fluorescent Nanosensors: Towards Multiplexed Detection. Chemistry - A European Journal, 2018, 24, 16743-16746.	1.7	8
194	Synthesis and characterization of a reconstituted myoglobin-chlorin e6 adduct for theranostic applications. Journal of Porphyrins and Phthalocyanines, 2020, 24, 887-893.	0.4	8
195	A Selective Ratiometric Fluorescent Probe for No-Wash Detection of PVC Microplastic. Polymers, 2021, 13, 1588.	2.0	8
196	Metal ion binding of photoactive poly-(arylene ethynylene) co-polymers. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 198, 237-241.	2.0	7
197	Energy Transfer in Silica Nanoparticles: An Essential Tool for the Amplification of the Fluorescence Signal. Reviews in Fluorescence, 2010, , 119-137.	0.5	7
198	Expanding the targets of the diaza-18-crown-6 hydroxyquinoline derivatives family to Zn(II) ions for intracellular sensing. Supramolecular Chemistry, 2013, 25, 7-15.	1.5	7

#	Article	IF	Citations
199	Diazine bridged dinuclear rhenium complex: New molecular material for the CO2 conversion. Inorganica Chimica Acta, 2014, 417, 270-273.	1.2	7
200	Mapping heterogeneous polarity in multicompartment nanoparticles. Scientific Reports, 2018, 8, 17095.	1.6	7
201	Optimized synthesis of luminescent silica nanoparticles by a direct micelle-assisted method. Photochemical and Photobiological Sciences, 2019, 18, 2142-2149.	1.6	7
202	Interaction between Engineered Pluronic Silica Nanoparticles and Bacterial Biofilms: Elucidating the Role of Nanoparticle Surface Chemistry and EPS Matrix. ACS Applied Materials & Interfaces, 2022, 14, 34502-34512.	4.0	7
203	Oscillating photoluminescence in the cerium ion catalyzed Belousov-Zhabotinsky reaction. Chemical Physics Letters, 1995, 237, 346-348.	1.2	6
204	Synthesis, characterisation and metal ion binding properties of crown ethers incorporating 4,5-dioxyxanthones. Journal of the Chemical Society Perkin Transactions II, 1999, , 289-296.	0.9	6
205	Self-Assembly of Monolayer-Coated Silver Nanoparticles on Gold Electrodes. An Electrochemical Investigation. Collection of Czechoslovak Chemical Communications, 2003, 68, 1395-1406.	1.0	6
206	Electrochemically Driven Luminescence in Organometallic and Inorganic Systems. , 2017, , 293-326.		6
207	Moving corrole towards a red-record: synthesis of Î²-acrolein Ga and Cu corroles using the Vilsmeier reaction. New Journal of Chemistry, 2018, 42, 8200-8206.	1.4	6
208	Exploring the Ability of Luminescent Metal Assemblies to Bind and Sense Anionic or Ionizable Analytes A Ru(phen)2bipy-Based Dizinc Complex for Bisphenol A (BPA) Recognition. Molecules, 2021, 26, 527.	1.7	6
209	Fluorogenic hyaluronan nanogels for detection of micro- and nanoplastics in water. Environmental Science: Nano, 2022, 9, 582-588.	2.2	6
210	Supramolecular Photochemistry and Photophysics. Adducts of Metal Complexes with the Natural Ionophore Lasalocid A Anion. Israel Journal of Chemistry, 1992, 32, 47-51.	1.0	5
211	Collective Properties Extend Resistance to Photobleaching of Highly Doped PluS NPs. European Journal of Inorganic Chemistry, 2017, 2017, 5094-5097.	1.0	5
212	PluS Nanoparticles Loaded with Sorafenib: Synthetic Approach and Their Effects on Endothelial Cells. ACS Omega, 2019, 4, 13962-13971.	1.6	5
213	Specific, Surface-Driven, and High-Affinity Interactions of Fluorescent Hyaluronan with PEGylated Nanomaterials. ACS Applied Materials & Interfaces, 2020, 12, 6806-6813.	4.0	5
214	pH-dependent absorption and emission properties of a ReI complex working as a carboxylate ligand for Cu2+. Journal of Photochemistry and Photobiology A: Chemistry, 2003, 159, 249-252.	2.0	4
215	Facile functionalization by Ï€-stacking of macroscopic substrates made of vertically aligned carbon nanotubes: Tracing reactive groups by electrochemiluminescence. Electrochimica Acta, 2011, 56, 9269-9276.	2.6	4
216	Aminoacidic units wired on poly(aryleneethynylene) platforms as highly selective mercury-responsive materials. Tetrahedron Letters, 2013, 54, 303-307.	0.7	4

#	Article	IF	Citations
217	Integrin-Targeting Dye-Doped PEG-Shell/Silica-Core Nanoparticles Mimicking the Proapoptotic Smac/DIABLO Protein. Nanomaterials, 2020, 10, 1211.	1.9	4
218	Synthesis, complexation properties and spectroscopic studies of the cation-induced conformational changes of some new oligooxaethylene-spacered diporphyrin arrays. New Journal of Chemistry, 2001, 25, 597-605.	1.4	3
219	Enantioselective Fluorescence Sensing of Amino Acids by Modified Cyclodextrins: Role of the Cavity and Sensing Mechanism. Chemistry - A European Journal, 2005, 11, 7145-7145.	1.7	3
220	Development of new calcium receptors based on oxazolidin-2-ones containing pseudopeptides. Organic and Biomolecular Chemistry, 2005, 3, 1520.	1.5	3
221	Polyamine receptors containing anthracene as fluorescent probes for ketoprofen in H2O/EtOH solution.. Chemical Communications, 0, , .	2.2	3
222	pH controlled emission of ruthenium(II)â€“trisâ€“bipyridine complexes. Inorganica Chimica Acta, 2002, 336, 1-7.	1.2	2
223	Gold nanoparticles stabilized using a fluorescent propargylic ester terminal alkyne at room temperature. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	2
224	Luminescence sensing and imaging: general discussion. Faraday Discussions, 2015, 185, 311-335.	1.6	2
225	Luminescent Silica Nanoparticles Featuring Collective Processes for Optical Imaging. Topics in Current Chemistry, 2016, 370, 1-28.	4.0	2
226	5,10,15â€Tris(4â€sulfonatophenyl)corrole Synthesis. European Journal of Organic Chemistry, 2019, 2019, 6525-6533.	1.2	2
227	Preparation of Non-Toxic Fluorescent Peptide-Coated Silica/PEG Nanoparticles from Peptide-Block Copolymer Conjugates. Micro, 2022, 2, 240-256.	0.9	2
228	Fluorescent silica nanoparticles. , 2006, , .		1
229	Concentration and distribution of silica nanoparticles in colon cancer cells assessed by synchrotron based X-ray techniques. Talanta, 2019, 202, 251-258.	2.9	1
230	Coreâ€“Shell Pluronic-Organosilica Nanoparticles with Controlled Polarity and Oxygen Permeability. Langmuir, 2021, 37, 4802-4809.	1.6	1
231	Supramolecular photochemistry and photophysics. Adducts of Pt(bpy)(NH₃)₂²⁺with basket-shaped hosts. Supramolecular Chemistry, 1995, 4, 309-313.	1.5	0
232	<title>Searching for new luminescent chemosensors for metal ions</title>. , 1999, , .		0
233	Origins of ?on?off? Fluorescent Behavior of 8-Hydroxyquinoline Containing Chemosensors.. ChemInform, 2005, 36, no.	0.1	0
234	Luminescent Chemosensors: From Molecules to Nanoparticles. ChemInform, 2005, 36, no.	0.1	0

#	Article	IF	Citations
235	New fluorescent chemosensors for magnesium ions in living cells. , 2006, , .		0
236	NUCLEOPHILIC ACYLATION CATALYSTS EFFECT ON LUMINOL CHEMILUMINESCENCE. , 2008, , .		0
237	Spectrofluorimetry. Lecture Notes in Quantum Chemistry II, 2012, , 97-129.	0.3	0
238	Iridiumâ€‰(III)-Doped Core-Shell Silica Nanoparticles: Near-IR Electrogenerated Chemiluminescence in Water. ChemElectroChem, 2017, 4, 1570-1570.	1.7	0
239	Frontispiece: Dyeâ€Doped Silica Nanoparticles for Enhanced ECLâ€Based Immunoassay Analytical Performance. Angewandte Chemie - International Edition, 2020, 59, .	7.2	0
240	Frontispiz: Dyeâ€Doped Silica Nanoparticles for Enhanced ECLâ€Based Immunoassay Analytical Performance. Angewandte Chemie, 2020, 132, .	1.6	0
241	Frontispiece: Photoluminescenceâ€Based Techniques for the Detection of Microâ€and Nanoplastics. Chemistry - A European Journal, 2021, 27, .	1.7	0