Luigi Fabbrizzi

List of Publications by Year
in descending order

125	12,034	28274	24982
papers	citations	55 h-index	109 g-index

137	137	137	7327
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nature of Ureaâ”Fluoride Interaction:â€‰ Incipient and Definitive Proton Transfer. Journal of the American Chemical Society, 2004, 126, 16507-16514.	13.7	790
2	What Anions Do to Nâ”H-Containing Receptors. Accounts of Chemical Research, 2006, 39, 343-353.	15.6	764
3	Sensors and switches from supramolecular chemistry. Chemical Society Reviews, 1995, 24, 197.	38.1	723
4	Anion recognition by hydrogen bonding: urea-based receptors. Chemical Society Reviews, 2010, 39, 3889.	38.1	624
5	Why, on Interaction of Urea-Based Receptors with Fluoride, Beautiful Colors Develop. Journal of Organic Chemistry, 2005, 70, 5717-5720.	3.2	478
6	Urea vs. thiourea in anion recognition. Organic and Biomolecular Chemistry, 2005, 3, 1495-1500.	2.8	333
7	Molecular Recognition of Carboxylate Ions Based on the Metalâ€“Ligand Interaction and Signaled through Fluorescence Quenching. Angewandte Chemie International Edition in English, 1996, 35, 202-204.	4.4	318
8	Light-emitting molecular devices based on transition metals. Coordination Chemistry Reviews, 2006, 250, 273-299.	18.8	318
9	Transition Metals as Switches. Accounts of Chemical Research, 1999, 32, 846-853.	15.6	310
10	Pyrophosphate Detection in Water by Fluorescence Competition Assays: Inducing Selectivity through the Choice of the Indicator. Angewandte Chemie - International Edition, 2002, 41, 3811-3814.	13.8	272
11	Fluorescent Sensors for Transition Metals Based on Electronâ€Transfer and Energyâ€Transfer Mechanisms. Chemistry - A European Journal, 1996, 2, 75-82.	3.3	267
12	Anion-Induced Urea Deprotonation. Chemistry - A European Journal, 2005, 11, 3097-3104.	3.3	251
13	Some guidelines for the design of anion receptors. Coordination Chemistry Reviews, 2006, 250, 1451-1470.	18.8	239
14	Molecular Machines Based on Metal Ion Translocation. Accounts of Chemical Research, 2001, 34, 488-493.	15.6	232
15	Designing the Selectivity of the Fluorescent Detection of Amino Acids:Â A Chemosensing Ensemble for Histidine. Journal of the American Chemical Society, 2003, 125, 20-21.	13.7	229
16	Anion receptors that contain metals as structural units. Chemical Communications, 2009, , 513-531.	4.1	219
17	A Colorimetric Approach to Anion Sensing: A Selective Chemosensor of Fluoride Ions, in which Color is Generated by Anion-Enhancedï€ Delocalization. Angewandte Chemie - International Edition, 2004, 43, 1962-1965.	13.8	211
18	Molecular switches of fluorescence operating through metal centred redox couples. Coordination Chemistry Reviews, 1998, 170, 31-46.	18.8	200

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19	The Squaramide versus Urea Contest for Anion Recognition. Chemistry - A European Journal, 2010, 16, 4368-4380.	3.3	172
20	Anion recognition by dimetallic cryptates. Coordination Chemistry Reviews, 2001, 219-221, 821-837.	18.8	138
21	A Chemosensing Ensemble for Selective Carbonate Detection in Water Based on Metal-Ligand Interactions. Angewandte Chemie - International Edition, 2001, 40, 3066-3069.	13.8	137
22	A Dimetallic Cage with a Long Ellipsoidal Cavity for the Fluorescent Detection of Dicarboxylate Anions in Water. Angewandte Chemie - International Edition, 2004, 43, 3847-3852.	13.8	135
23	N-(aminoethyl)cyclam: a tetraaza macrocycle with a coordinating tail (scorpiand). Acidity controlled coordination of the side chain to nickel(II) and nickel(III) cations. Journal of the American Chemical Society, 1987, 109, 5139-5144.	13.7	129
24	Anion recognition by coordinative interactions: metalâ€“amine complexes as receptors. Chemical Society Reviews, 2013, 42, 1681-1699.	38.1	126
25	A fluorescent molecular thermometer based on the nickel(II) high-spin/low-spin interconversion. Chemical Communications, 1999, , 1191-1192.	4.1	119
26	(Benzylideneamino)thioureas â€“ Chromogenic Interactions with Anions and Nâ€“H Deprotonation. European Journal of Organic Chemistry, 2006, 2006, 3567-3574.	2.4	118
27	A Metal-Based Trisimidazolium Cage That Provides Six Cï£¿H Hydrogen-Bond-Donor Fragments and Includes Anions. Angewandte Chemie - International Edition, 2006, 45, 6920-6924.	13.8	114
28	The Interaction of Fluoride with Fluorogenic Ureas: An ON¹â€“OFFâ€“ON² Response. Journal of the American Chemical Society, 2013, 135, 6345-6355.	13.7	113
29	Molecular events switched by transition metals. Coordination Chemistry Reviews, 1999, 190-192, 649-669.	18.8	112
30	Fitting of nickel(II) ion into two 14-membered tetraaza macrocycles. Blue-to-yellow conversion and the oxidation and reduction behavior. Inorganic Chemistry, 1979, 18, 438-444.	4.0	111
31	What Anions Do Inside a Receptor's Cavity: A Trifurcate Anion Receptor Providing Both Electrostatic and Hydrogen-Bonding Interactions. Chemistry - A European Journal, 2005, 11, 5648-5660.	3.3	107
32	Anion Receptors Containing -NH Binding Sites: Hydrogen-Bond Formation or Neat Proton Transfer?. Chemistry - A European Journal, 2005, 11, 120-127.	3.3	103
33	The design of fluorescent sensors for anions: taking profit from the metalâ€“ligand interaction and exploiting two distinct paradigms. Dalton Transactions, 2003, , 3471-3479.	3.3	101
34	Recognition and Sensing of Nucleoside Monophosphates by a Dicopper(II) Cryptate. Journal of the American Chemical Society, 2010, 132, 147-156.	13.7	100
35	Ureaâ€, Squaramideâ€, and Sulfonamideâ€Based Anion Receptors: A Thermodynamic Study. Chemistry - A European Journal, 2011, 17, 5972-5981.	3.3	95
36	Metal-Containing Trifurcate Receptor that Recognizes and Senses Citrate in Water. Organic Letters, 2005, 7, 2603-2606.	4.6	91

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37	Chiral receptors for phosphate ions. Organic and Biomolecular Chemistry, 2005, 3, 2632.	2.8	91
38	Formation of nickel(III) complexes with n-dentate amine macrocycles (n = 4, 5, 6). ESR and electrochemical studies. Inorganic Chemistry, 1981, 20, 2544-2549.	4.0	90
39	Controllable Intramolecular Motions That Generate Fluorescent Signals for a Metal Scorpionate Complex. Angewandte Chemie - International Edition, 1998, 37, 800-802.	13.8	86
40	Halide-Ion Encapsulation by a Flexible Dicopper(II) Bis-Tren Cryptate. Angewandte Chemie - International Edition, 2000, 39, 2917-2920.	13.8	86
41	A Sleeping Host Awoken by Its Guest: Recognition and Sensing of Imidazole-Containing Molecules Based on Double Cu2+ Translocation inside a Polyaza Macrocycle. Angewandte Chemie - International Edition, 2004, 43, 5073-5077.	13.8	83
42	The Stabilization of High Oxidation States of Metals Through Coordination by Poly-aza Macrocycles. Comments on Inorganic Chemistry, 1985, 4, 33-54.	5.2	75
43	Fluorescence Redox Switching Systems Operating through Metal Centres: the Ni^{III}/Ni^{II} Couple. Chemistry - A European Journal, 1996, 2, 1243-1250.	3.3	75
44	Double-stranded dimetallic helicates: assemblingâ€“disassembling driven by the Cu^I/Cu^{II} redox change and the principle of homochiral recognition. Chemical Society Reviews, 2014, 43, 1835-1847.	38.1	75
45	Redox Switching of Anthracene Fluorescence through the CuII/CuI Couple. Inorganic Chemistry, 1995, 34, 3581-3582.	4.0	74
46	Electrochemical Assembling/Disassembling of Helicates with Hysteresis. Inorganic Chemistry, 2001, 40, 3579-3587.	4.0	74
47	Electrochemically Controlled Assembling/Disassembling Processes with a Bis-imine Bis-quinoline Ligand and the CuII/CuI Couple. Chemistry - A European Journal, 1999, 5, 3679-3688.	3.3	72
48	Metal-Controlled Assembly and Selectivity of a Urea-Based Anion Receptor. Inorganic Chemistry, 2006, 45, 6138-6147.	4.0	70
49	Steric effects on the solution chemistry of nickel(II) complexes with N-monomethylated 14-membered tetraaza macrocycles. The blue-to-yellow conversion and the oxidation and reduction behavior. Inorganic Chemistry, 1986, 25, 4131-4135.	4.0	69
50	Nickel(II) Complexes of Azacyclams: Oxidation and Reduction Behavior and Catalytic Effects in the Electroreduction of Carbon Dioxide. Inorganic Chemistry, 1994, 33, 1366-1375.	4.0	67
51	Fluorescent detection of glutamate with a dicopper(II) polyamine cage. Tetrahedron, 2004, 60, 11159-11162.	1.9	67
52	Signal Amplification by a Fluorescent Indicator of a pH-Driven Intramolecular Translocation of a Copper(II) Ion. Angewandte Chemie - International Edition, 2002, 41, 2553-2556.	13.8	66
53	Beauty in Chemistry: Making Artistic Molecules with Schiff Bases. Journal of Organic Chemistry, 2020, 85, 12212-12226.	3.2	63
54	Metal-Enhanced H-Bond Donor Tendencies of Urea and Thiourea toward Anions:â€‰ Ditopic Receptors for Silver(I) Salts. Inorganic Chemistry, 2005, 44, 8690-8698.	4.0	62

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55	Trivalent nickel bis(triaza macrocyclic) complexes. Ligand ring size and medium effects on the nickel(III)/nickel(II) redox couple potential. Inorganic Chemistry, 1986, 25, 1456-1461.	4.0	61
56	Anion recognition by a dicopper (II) cryptate. Inorganica Chimica Acta, 1995, 238, 5-8.	2.4	53
57	pH-Controlled translocation of NiII within a ditopic receptor bearing an appended anthracene fragment: a mechanical switch of fluorescence. Dalton Transactions RSC, 2000, , 185-189.	2.3	48
58	Light-Emitting Molecular Machines: pH-Induced Intramolecular Motions in a Fluorescent Nickel(II) Scorpionate Complex. Chemistry - A European Journal, 2002, 8, 4965-4972.	3.3	48
59	Bistren cryptands and cryptates: versatile receptors for anion inclusion and recognition in water. Organic and Biomolecular Chemistry, 2015, 13, 3510-3524.	2.8	48
60	Redox-Driven Intramolecular Anion Translocation between Transition Metal Centres. Chemistry - A European Journal, 1999, 5, 682-690.	3.3	47
61	Electrochemically Switched Anion Translocation in a Multicomponent Coordination Compound. Inorganic Chemistry, 1997, 36, 827-832.	4.0	45
62	Moderate and Advanced Intramolecular Proton Transfer in Ureaâ€“Anion Hydrogenâ€Bonded Complexes. Chemistry - A European Journal, 2011, 17, 9423-9439.	3.3	45
63	The ferrocenium/ferrocene couple: a versatile redox switch. ChemTexts, 2020, 6, 1.	1.9	42
64	Redox Active Cage for the Electrochemical Sensing of Anions. Inorganic Chemistry, 2008, 47, 4808-4816.	4.0	41
65	Template synthesis of azacyclam metal complexes using primary amides as locking fragments. Coordination Chemistry Reviews, 2010, 254, 1628-1636.	18.8	41
66	Controlling the acidity of the carboxylic group by a ferrocene based redox switch. Inorganica Chimica Acta, 1994, 225, 239-244.	2.4	39
67	A Concave Fluorescent Sensor for Anions Based on 6-Methoxy-1-methylquinolinium. Chemistry - A European Journal, 2004, 10, 76-82.	3.3	39
68	Monitoring the Redox-Driven Assembly/Disassembly of a Dicopper(I) Helicate with an Auxiliary Fluorescent Probe. Inorganic Chemistry, 2003, 42, 1632-1636.	4.0	38
69	Putting the Anion into the Cage â€“ Fluoride Inclusion in the Smallest Trisimidazolium Macrotricycle. European Journal of Organic Chemistry, 2011, 2011, 6434-6444.	2.4	38
70	Enhancing the Anion Affinity of Urea-Based Receptors with a Ru(terpy)₂²⁺ Chromophore. Inorganic Chemistry, 2013, 52, 5273-5283.	4.0	37
71	A redox-switchable ligand for which the binding ability is enhanced by oxidation of its ferrocene unit. Journal of the Chemical Society Dalton Transactions, 1992, , 3283.	1.1	36
72	A microcalorimetric determination of the enthalpies of formation in solution of nickel(II) complexes with tetraaza macrocyclic ligands of varying size. Inorganic Chemistry, 1980, 19, 535-538.	4.0	35

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73	Further insights on the highâ€“low spin interconversion in nickel(ii) tetramine complexes. Solvent and temperature effects. Dalton Transactions, 2004, , 2616-2620.	3.3	34
74	Water Soluble Molecular Switches of Fluorescence Based on the NiIII/NiIIRedox Change. Inorganic Chemistry, 2002, 41, 6129-6136.	4.0	33
75	Design of redox systems for the selective transport of electrons across liquid membranes: nickel(II,III) tetraaza macrocyclic complexes. Journal of the American Chemical Society, 1989, 111, 2422-2427.	13.7	31
76	Pyridines with an appended metallocyclam subunit. Versatile building blocks to supramolecular multielectron redox systems. Inorganic Chemistry, 1993, 32, 106-113.	4.0	31
77	Molecular Motions in the Solid State:â€‰ the Thermochromic Nitroâ^'Nitrito Interconversion in Nickel(II) Bis(diamine) Complexes. Inorganic Chemistry, 2003, 42, 664-666.	4.0	30
78	Homo- and Hetero-Dinuclear Anion Complexes. Chemistry - A European Journal, 2007, 13, 3787-3795.	3.3	30
79	Pyrophosphate Detection in Water by Fluorescence Competition Assays: Inducing Selectivity through the Choice of the Indicator. Angewandte Chemie, 2002, 114, 3965-3968.	2.0	29
80	Molecular rearrangements controlled by pH-driven Cu2+ motions. Dalton Transactions RSC, 2001, , 3528-3533.	2.3	28
81	Metalâ€Controlled Anionâ€Binding Tendencies of the Thiourea Unit of Thiosemicarbazones. Chemistry - A European Journal, 2008, 14, 9683-9696.	3.3	28
82	Amides and sulfonamides: efficient molecular padlocks for the template synthesis of azacyclam (1,3,5,8,12-pentaazacyclotetradecane) macrocycles. Journal of the Chemical Society Dalton Transactions, 1993, , 1411.	1.1	26
83	pH-Controlled Fluorescent Emission in the Nickel(II) Complex of a Bifunctional Tetramine Macrocycle. Inorganic Chemistry, 2002, 41, 4612-4614.	4.0	25
84	Stablization by a strongly acidic medium of trivalent copper tetra-aza macrocyclic complexes. Journal of the Chemical Society Chemical Communications, 1984, , 806.	2.0	24
85	Nickel(III)-promoted deprotonation of an amide group of cyclam. Characterization of the violet transient through stopped-flow spectrophotometric techniques and determination of the pKA value. Inorganic Chemistry, 1994, 33, 134-139.	4.0	24
86	A novel fluorescence redox switch based on the formal NiII/NiI coupleâ€Šâ€. Dalton Transactions RSC, 2001, , 1671-1675.	2.3	24
87	Coordinative control of photoinduced electron transfer: bulky carboxylates as molecular curtains. Chemical Communications, 2002, , 1348-1349.	4.1	24
88	1-(4-tolylsulfonyl)-1,4,8,11-tetraazacyclotetradecane (Tscyclam): a versatile ligand for nickel(II) and nickel(III) cations. Inorganic Chemistry, 1990, 29, 2964-2970.	4.0	23
89	A di-copper(II) bis-tren cage with thiophene spacers as receptor for anions in aqueous solution. Inorganica Chimica Acta, 2002, 337, 70-74.	2.4	23
90	Formation of a trivalent silver tetraaza macrocyclic complex in aqueous solution: hydrolytic tendencies and interaction with the sulfate ion. Inorganic Chemistry, 1985, 24, 3873-3875.	4.0	22

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91	Redox-Driven Intramolecular Anion Translocation between a Metal Centre and a Hydrogen-Bond-Donating Compartment. Chemistry - A European Journal, 2007, 13, 4988-4997.	3.3	20
92	Templated Synthesis of Copper(II) Azacyclam Complexes Using Urea as a Locking Fragment and Their Metalâ€Enhanced Binding Tendencies towards Anions. Chemistry - A European Journal, 2009, 15, 11288-11297.	3.3	20
93	Molekulare Erkennung von Carboxylatâ€Ionen durch Metallâ€Ligandâ€Wechselwirkung und Nachweis durch FluoreszenzlÃ¶schung. Angewandte Chemie, 1996, 108, 224-227.	2.0	18
94	Does a Reinforced Kinetic Macrocyclic Effect Exist? The Demetallation in Strong Acid of Copper(II) Complexes with Open and Cyclic Tetramines Containing a Piperazine Fragment. Chemistry - A European Journal, 2004, 10, 3209-3216.	3.3	17
95	A Loose Cage for Transition Metals. Inorganic Chemistry, 1997, 36, 1998-2003.	4.0	16
96	Communicating about Matter with Symbols: Evolving from Alchemy to Chemistry. Journal of Chemical Education, 2008, 85, 1501.	2.3	16
97	Strange Case of Signor Volta and Mister Nicholson: How Electrochemistry Developed as a Consequence of an Editorial Misconduct. Angewandte Chemie - International Edition, 2019, 58, 5810-5822.	13.8	16
98	The origins of the coordination chemistry of alkali metal ions. ChemTexts, 2020, 6, 1.	1.9	15
99	Halide ion inclusion into a dicopper(II) bistren cryptate containing â€˜activeâ€™ 2,5-dimethylfuran spacers: The origin of the bright yellow colour. Inorganica Chimica Acta, 2008, 361, 4038-4046.	2.4	14
100	Title is missing!. Angewandte Chemie, 2002, 114, 2665-2668.	2.0	13
101	A chromogenic penta-aza scorpionand for nickel(II) and copper(II) ions. Polyhedron, 2004, 23, 373-378.	2.2	13
102	Anion Recognition in Water, Including Sulfate, by a Bicyclam Bimetallic Receptor: A Process Governed by the Enthalpy/Entropy Compensatory Relationship. Chemistry - A European Journal, 2018, 24, 5659-5666.	3.3	13
103	Dramatically Enhanced Carbon Acidity of the Nitrobenzyl Fragment in a Nickel(II) Scorpionate Complex. Organic Letters, 2005, 7, 3417-3420.	4.6	12
104	Ferrocene derivatives as electron carriers for selective oxidation and reduction reactions through a liquid membrane. Journal of the Chemical Society Dalton Transactions, 1992, , 2219.	1.1	11
105	Searching for new fluorescence switches: naphthalene-containing metal complexes whose emission can be controlled by pH variations. Inorganica Chimica Acta, 2000, 300-302, 453-461.	2.4	11
106	Molecular Devices Based on Metallocyclam Subunits. Advances in Inorganic Chemistry, 2006, 59, 81-107.	1.0	11
107	Zinc(ii) driven intra-molecular electronic energy transfer in a supramolecular assembly held by coordinative interactions. Chemical Communications, 2001, , 825-826.	4.1	10
108	Living in a Cage Is a Restricted Privilege. Topics in Current Chemistry, 2011, 323, 127-166.	4.0	10

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109	Appending two non-equivalent ferrocene fragments to a metallocyclam core. Inorganica Chimica Acta, 1993, 214, 193-196.	2.4	8
110	A hybrid molecular machine. Tetrahedron, 2008, 64, 8318-8323.	1.9	8
111	An Automatic Molecular Dispenser of Chloride. Chemistry - A European Journal, 2013, 19, 3729-3734.	3.3	8
112	Copper(II) Complexes of Cyclams Containing Nitrophenyl Substituents: Pushâ€“Pull Behavior and Scorpionate Coordination of the Nitro Group. Inorganic Chemistry, 2015, 54, 10197-10207.	4.0	8
113	Anion-induced isomerization of fluorescent semi(thio)carbazones. Organic Chemistry Frontiers, 2018, 5, 391-397.	4.5	7
114	Anion receptors containing coordinatively unsaturated metal ions: copper(II) complexes with cyclam derivatives. Canadian Journal of Chemistry, 2014, 92, 794-802.	1.1	6
115	The interaction of Mozobil‹sup›â„¢‹/sup›with carboxylates. Organic and Biomolecular Chemistry, 2016, 14, 905-912.	2.8	6
116	Mechanical Switches of Fluorescence. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2001, 41, 13-18.	1.6	5
117	Beyond the Molecule: Intermolecular Forces from Gas Liquefaction to Xâ˜Hâ‹…â‹…â‹…Ï€ Hydrogen Bonds. ChemPlusChem, 2021, , .	2.8	4
118	Selective transport of anions across liquid membranes using the ferrocenium/ferrocene redox couple. Advanced Materials, 1991, 3, 611-613.	21.0	3
119	The template synthesis of dimetallic complexes. Inorganica Chimica Acta, 2007, 360, 1163-1169.	2.4	3
120	Anion Binding by Dimetallic Nickel(II) and Nickel(III) Complexes of a Face-to-Face Bicyclam: Looking for a Bimacrocyclic Effect. Inorganic Chemistry, 2016, 55, 2946-2959.	4.0	3
121	Strange Case of Signor Volta and Mister Nicholson: How Electrochemistry Developed as a Consequence of an Editorial Misconduct. Angewandte Chemie, 2019, 131, 5868-5880.	2.0	3
122	Kinetic Buffers. ChemPhysChem, 2015, 16, 85-89.	2.1	2
123	Bimacrocyclic Effect in Anion Recognition by a Copper(II) Bicyclam Complex. ACS Omega, 2018, 3, 15692-15701.	3.5	2
124	Electrochemically Driven Swinging of a Nitrobenzyl Pendant Arm in a Nickel Scorpionand Complex. Chemistry - A European Journal, 2022, , .	3.3	2
125	The Disproportionation of [Ni(tacn)]2+in Ni2+and [Ni(tacn)2]2+Crystallographically Demonstrated (tacn=1,4,7-Triazacyclononane). Chemistry - A European Journal, 2014, 20, 11994-11998.	3.3	1