

Federico Polo

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,581
citations

361296

20
h-index

302012

39
g-index

42
all docs

42
docs citations

42
times ranked

2285
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep-Blue-Emitting Heteroleptic Iridium(III) Complexes Suited for Highly Efficient Phosphorescent OLEDs. <i>Chemistry of Materials</i> , 2012, 24, 3684-3695.	3.2	198
2	Control of the Mutual Arrangement of Cyclometalated Ligands in Cationic Iridium(III) Complexes. Synthesis, Spectroscopy, and Electroluminescence of the Different Isomers. <i>Journal of the American Chemical Society</i> , 2011, 133, 10543-10558.	6.6	169
3	Gold Nanoclusters Protected by Conformationally Constrained Peptides. <i>Journal of the American Chemical Society</i> , 2006, 128, 326-336.	6.6	125
4	Evidence Against the Hopping Mechanism as an Important Electron Transfer Pathway for Conformationally Constrained Oligopeptides. <i>Journal of the American Chemical Society</i> , 2005, 127, 492-493.	6.6	116
5	Controlling Aggregation in Highly Emissive Pt(II) Complexes Bearing Tridentate Dianionic N ² S ² N Ligands. Synthesis, Photophysics, and Electroluminescence. <i>Chemistry of Materials</i> , 2011, 23, 3659-3667.	3.2	100
6	Luminescent Dinuclear Cu(I) Complexes Containing Rigid Tetrakisphosphine Ligands. <i>Inorganic Chemistry</i> , 2014, 53, 10944-10951.	1.9	92
7	Efficient Greenish Blue Electrochemiluminescence from Fluorene and Spirobifluorene Derivatives. <i>Journal of the American Chemical Society</i> , 2012, 134, 15402-15409.	6.6	85
8	Iridium(III) Emitters Based on 1,4-Disubstituted-1 <i>H</i> -1,2,3-triazoles as Cyclometalating Ligand: Synthesis, Characterization, and Electroluminescent Devices. <i>Inorganic Chemistry</i> , 2013, 52, 1812-1824.	1.9	76
9	Photophysics and Electrochemiluminescence of Bright Cyclometalated Ir(III) Complexes in Aqueous Solutions. <i>Analytical Chemistry</i> , 2016, 88, 4174-4178.	3.2	75
10	From Blue to Green: Fine-Tuning of Photoluminescence and Electrochemiluminescence in Bifunctional Organic Dyes. <i>Journal of the American Chemical Society</i> , 2017, 139, 2060-2069.	6.6	73
11	Electron transfer catalysis with monolayer protected Au ₂₅ clusters. <i>Nanoscale</i> , 2012, 4, 5333.	2.8	62
12	The Role of Peptides in the Design of Electrochemical Biosensors for Clinical Diagnostics. <i>Biosensors</i> , 2021, 11, 246.	2.3	48
13	Enzyme-Based Electrochemical Biosensor for Therapeutic Drug Monitoring of Anticancer Drug Irinotecan. <i>Analytical Chemistry</i> , 2018, 90, 6012-6019.	3.2	33
14	Solid state electrochemiluminescence from homogeneous and patterned monolayers of bifunctional spirobifluorene. <i>Chemical Communications</i> , 2018, 54, 4999-5002.	2.2	31
15	Biosensing Technologies for Therapeutic Drug Monitoring. <i>Current Medicinal Chemistry</i> , 2018, 25, 4354-4377.	1.2	30
16	The Fundamentals of Real-Time Surface Plasmon Resonance/Electrogenerated Chemiluminescence. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18202-18206.	7.2	24
17	Sterically Hindered Luminescent Pt ^{II} Phosphite Complexes for Electroluminescent Devices. <i>Chemistry - A European Journal</i> , 2015, 21, 5161-5172.	1.7	22
18	Luminescent Neutral Cu(I) Complexes: Synthesis, Characterization and Application in Solution-Processed OLED. <i>ECS Journal of Solid State Science and Technology</i> , 2016, 5, R83-R90.	0.9	22

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19	Bio- and Biomimetic Receptors for Electrochemical Sensing of Heavy Metal Ions. <i>Sensors</i> , 2020, 20, 6800.	2.1	22
20	Polylysine-grafted Au ¹⁴⁴ nanoclusters: birth and growth of a healthy surface-plasmon-resonance-like band. <i>Chemical Science</i> , 2017, 8, 3228-3238.	3.7	21
21	Highly Emissive Red Heterobimetallic Ir ^{III} /M ^I (M = Cu) Tj ETQq1 1 0.784314 rgB Materials, 2022, 34, 1756-1769.	3.2	16
22	ELISA assay employing epitope-specific monoclonal antibodies to quantify circulating HER2 with potential application in monitoring cancer patients undergoing therapy with trastuzumab. <i>Scientific Reports</i> , 2020, 10, 3016.	1.6	14
23	Interaction of Mixed-Ligand Monolayer-Protected Au ¹⁴⁴ Clusters with Biomimetic Membranes as a Function of the Transmembrane Potential. <i>Langmuir</i> , 2014, 30, 8141-8151.	1.6	13
24	Red-emitting neutral rhenium(ⁱ) complexes bearing a pyridyl pyridoannulated N-heterocyclic carbene. <i>Dalton Transactions</i> , 2020, 49, 3102-3111.	1.6	12
25	An SPR investigation into the therapeutic drug monitoring of the anticancer drug imatinib with selective aptamers operating in human plasma. <i>Analyst</i> , 2021, 146, 1714-1724.	1.7	12
26	Luminescent acetylthiol derivative tripodal osmium(II) and iridium(III) complexes: Spectroscopy in solution and on surfaces. <i>Pure and Applied Chemistry</i> , 2011, 83, 779-799.	0.9	11
27	Dipole Moment Effect on the Electrochemical Desorption of Self-Assembled Monolayers of 3 ¹⁰ -Helicogenic Peptides on Gold. <i>ChemElectroChem</i> , 2016, 3, 2063-2070.	1.7	10
28	Voltammetric behaviour of the anticancer drug irinotecan and its metabolites in acetonitrile. Implications for electrochemical therapeutic drug monitoring. <i>Electrochimica Acta</i> , 2018, 289, 483-493.	2.6	10
29	Structure-Photoluminescence Quenching Relationships of Iridium(III)-Tris(phenylpyridine) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 1025-1037.	1.0	8
30	A fast method for the detection of irinotecan in plasma samples by combining solid phase extraction and differential pulse voltammetry. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 1585-1595.	1.9	8
31	Practical fluorimetric assay for the detection of anticancer drug SN-38 in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 159, 73-81.	1.4	7
32	The Fundamentals of Real-Time Surface Plasmon Resonance/Electrogenerated Chemiluminescence. <i>Angewandte Chemie</i> , 2019, 131, 18370-18374.	1.6	6
33	Bicyclic peptide-based assay for uPA cancer biomarker. <i>Biosensors and Bioelectronics</i> , 2022, 213, 114477.	5.3	6
34	Point-of-Care for Therapeutic Drug Monitoring of Antineoplastic Drugs. , 2016, 6, .		5
35	Photophysics, Electrochemistry and Efficient Electrochemiluminescence of Trigonal Truxene-Core Dyes. <i>Chemistry - A European Journal</i> , 2020, 26, 8407-8416.	1.7	4
36	Phosphorescent Cationic Heterodinuclear Ir ^{III} /M ^I Complexes (M=Cu, Au) with a Hybrid Janus-Type N-Heterocyclic Carbene Bridge. <i>Chemistry - A European Journal</i> , 2020, 26, 11751-11766.	1.7	4

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37	Cationic rhenium(I) complexes bearing a π -accepting pyridoannulated N-heterocyclic carbene ligand: Synthesis, photophysical, electrochemical and theoretical investigation. <i>Polyhedron</i> , 2021, 197, 115025.	1.0	3
38	Dipole Moment Effect on the Electrochemical Desorption of Self-Assembled Monolayers of 310-Helicogenic Peptides on Gold. <i>ChemElectroChem</i> , 2016, 3, 1964-1964.	1.7	2
39	Electrochemically induced electron transfer through molecular bridges. <i>Current Opinion in Electrochemistry</i> , 2021, 28, 100700.	2.5	2
40	Advanced Electrochemical and Opto-Electrochemical Biosensors for Quantitative Analysis of Disease Markers and Viruses. <i>Biosensors</i> , 2022, 12, 296.	2.3	0