

Federico Polo

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.

37
papers

1,285
citations

16
h-index

35
g-index

42
ext. papers

1,439
ext. citations

7.1
avg. IF

4.26
L-index

#	Paper	IF	Citations
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	2.7	1
36	The Role of Peptides in the Design of Electrochemical Biosensors for Clinical Diagnostics. <i>Biosensors</i> , 2021 , 11,	5.9	7
35	An SPR investigation into the therapeutic drug monitoring of the anticancer drug imatinib with selective aptamers operating in human plasma. <i>Analyst, The</i> , 2021 , 146, 1714-1724	5	5
34	Electrochemically induced electron transfer through molecular bridges. <i>Current Opinion in Electrochemistry</i> , 2021 , 28, 100700	7.2	2
33	Photophysics, Electrochemistry and Efficient Electrochemiluminescence of Trigonal Truxene-Core Dyes. <i>Chemistry - A European Journal</i> , 2020 , 26, 8407-8416	4.8	2
32	Phosphorescent Cationic Heterodinuclear Ir /M Complexes (M=Cu , Au) with a Hybrid Janus-Type N-Heterocyclic Carbene Bridge. <i>Chemistry - A European Journal</i> , 2020 , 26, 11751-11766	4.8	1
31	Red-emitting neutral rhenium(i) complexes bearing a pyridyl pyridoannulated N-heterocyclic carbene. <i>Dalton Transactions</i> , 2020 , 49, 3102-3111	4.3	9
30	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	4.9	6
29	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, 1585-1594	4.4	4
28	Bio- and Biomimetic Receptors for Electrochemical Sensing of Heavy Metal Ions. <i>Sensors</i> , 2020 , 20,	3.8	9
27	The Fundamentals of Real-Time Surface Plasmon Resonance/Electrogenerated Chemiluminescence. <i>Angewandte Chemie</i> , 2019 , 131, 18370-18374	3.6	4
26	The Fundamentals of Real-Time Surface Plasmon Resonance/Electrogenerated Chemiluminescence. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18202-18206	16.4	14
25	Solid state electrochemiluminescence from homogeneous and patterned monolayers of bifunctional spirobifluorene. <i>Chemical Communications</i> , 2018 , 54, 4999-5002	5.8	26
24	Enzyme-Based Electrochemical Biosensor for Therapeutic Drug Monitoring of Anticancer Drug Irinotecan. <i>Analytical Chemistry</i> , 2018 , 90, 6012-6019	7.8	22
23	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	3.5	6
22	Biosensing Technologies for Therapeutic Drug Monitoring. <i>Current Medicinal Chemistry</i> , 2018 , 25, 4354-4377	4.3	20
21	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	6.7	8

20	Polylysine-grafted Au nanoclusters: birth and growth of a healthy surface-plasmon-resonance-like band. <i>Chemical Science</i> , 2017 , 8, 3228-3238	9.4	16
19	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	16.4	48
18	Dipole Moment Effect on the Electrochemical Desorption of Self-Assembled Monolayers of 310-Helicogenic Peptides on Gold. <i>ChemElectroChem</i> , 2016 , 3, 1964-1964	4.3	2
17	Dipole Moment Effect on the Electrochemical Desorption of Self-Assembled Monolayers of 310-Helicogenic Peptides on Gold. <i>ChemElectroChem</i> , 2016 , 3, 2063-2070	4.3	6
16	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	2	20
15	Photophysics and Electrochemiluminescence of Bright Cyclometalated Ir(III) Complexes in Aqueous Solutions. <i>Analytical Chemistry</i> , 2016 , 88, 4174-8	7.8	52
14	Point-of-Care for Therapeutic Drug Monitoring of Antineoplastic Drugs 2016 , 6,		5
13	Sterically hindered luminescent Pt(II) -phosphite complexes for electroluminescent devices. <i>Chemistry - A European Journal</i> , 2015 , 21, 5161-72	4.8	20
12	Luminescent dinuclear Cu(I) complexes containing rigid tetraphosphine ligands. <i>Inorganic Chemistry</i> , 2014 , 53, 10944-51	5.1	84
11	Interaction of mixed-ligand monolayer-protected Au clusters with biomimetic membranes as a function of the transmembrane potential. <i>Langmuir</i> , 2014 , 30, 8141-51	4	10
10	Iridium(III) emitters based on 1,4-disubstituted-1H-1,2,3-triazoles as cyclometalating ligand: synthesis, characterization, and electroluminescent devices. <i>Inorganic Chemistry</i> , 2013 , 52, 1812-24	5.1	69
9	Structure-Photoluminescence Quenching Relationships of Iridium(III)tris(phenylpyridine) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 1025-1037	2.3	7
8	Deep-Blue-Emitting Heteroleptic Iridium(III) Complexes Suited for Highly Efficient Phosphorescent OLEDs. <i>Chemistry of Materials</i> , 2012 , 24, 3684-3695	9.6	176
7	Efficient greenish blue electrochemiluminescence from fluorene and spirobifluorene derivatives. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15402-9	16.4	73
6	Electron transfer catalysis with monolayer protected Au clusters. <i>Nanoscale</i> , 2012 , 4, 5333-42	7.7	60
5	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, 10543-58	16.4	162
4	Controlling Aggregation in Highly Emissive Pt(II) Complexes Bearing Tridentate Dianionic N ₂ N ₂ N Ligands. Synthesis, Photophysics, and Electroluminescence. <i>Chemistry of Materials</i> , 2011 , 23, 3659-3667	9.6	83
3	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	2.1	10

- 2 Gold nanoclusters protected by conformationally constrained peptides. *Journal of the American Chemical Society*, **2006**, 128, 326-36 16.4 120
- 1 Evidence against the hopping mechanism as an important electron transfer pathway for conformationally constrained oligopeptides. *Journal of the American Chemical Society*, **2005**, 127, 492-3 16.4 110