

# Federico Polo

## List of Publications by Citations

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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	Deep-Blue-Emitting Heteroleptic Iridium(III) Complexes Suited for Highly Efficient Phosphorescent OLEDs. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 3684-3695	9.6	176
36	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> , <b>2011</b> , 133, 10543-58	16.4	162
35	Gold nanoclusters protected by conformationally constrained peptides. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 326-36	16.4	120
34	Evidence against the hopping mechanism as an important electron transfer pathway for conformationally constrained oligopeptides. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 492-3	16.4	110
33	Luminescent dinuclear Cu(I) complexes containing rigid tetraphosphine ligands. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 10944-51	5.1	84
32	Controlling Aggregation in Highly Emissive Pt(II) Complexes Bearing Tridentate Dianionic N <sub>2</sub> N <sub>2</sub> N Ligands. Synthesis, Photophysics, and Electroluminescence. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 3659-3667	9.6	83
31	Efficient greenish blue electrochemiluminescence from fluorene and spirobifluorene derivatives. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 15402-9	16.4	73
30	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> , <b>2013</b> , 52, 1812-24	5.1	69
29	Electron transfer catalysis with monolayer protected Au <sub>25</sub> clusters. <i>Nanoscale</i> , <b>2012</b> , 4, 5333-42	7.7	60
28	Photophysics and Electrochemiluminescence of Bright Cyclometalated Ir(III) Complexes in Aqueous Solutions. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 4174-8	7.8	52
27	From Blue to Green: Fine-Tuning of Photoluminescence and Electrochemiluminescence in Bifunctional Organic Dyes. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 2060-2069	16.4	48
26	Solid state electrochemiluminescence from homogeneous and patterned monolayers of bifunctional spirobifluorene. <i>Chemical Communications</i> , <b>2018</b> , 54, 4999-5002	5.8	26
25	Enzyme-Based Electrochemical Biosensor for Therapeutic Drug Monitoring of Anticancer Drug Irinotecan. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 6012-6019	7.8	22
24	Sterically hindered luminescent Pt(II) -phosphite complexes for electroluminescent devices. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 5161-72	4.8	20
23	Luminescent Neutral Cu(I) Complexes: Synthesis, Characterization and Application in Solution-Processed OLED. <i>ECS Journal of Solid State Science and Technology</i> , <b>2016</b> , 5, R83-R90	2	20
22	Biosensing Technologies for Therapeutic Drug Monitoring. <i>Current Medicinal Chemistry</i> , <b>2018</b> , 25, 4354-4377	4.37	20
21	Polylysine-grafted Au nanoclusters: birth and growth of a healthy surface-plasmon-resonance-like band. <i>Chemical Science</i> , <b>2017</b> , 8, 3228-3238	9.4	16

20	The Fundamentals of Real-Time Surface Plasmon Resonance/Electrogenerated Chemiluminescence. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18202-18206	16.4	14
19	Interaction of mixed-ligand monolayer-protected Au <sub>147</sub> clusters with biomimetic membranes as a function of the transmembrane potential. <i>Langmuir</i> , <b>2014</b> , 30, 8141-51	4	10
18	Luminescent acetylthiol derivative tripodal osmium(II) and iridium(III) complexes: Spectroscopy in solution and on surfaces. <i>Pure and Applied Chemistry</i> , <b>2011</b> , 83, 779-799	2.1	10
17	Red-emitting neutral rhenium(i) complexes bearing a pyridyl pyridoannulated N-heterocyclic carbene. <i>Dalton Transactions</i> , <b>2020</b> , 49, 3102-3111	4.3	9
16	Bio- and Biomimetic Receptors for Electrochemical Sensing of Heavy Metal Ions. <i>Sensors</i> , <b>2020</b> , 20,	3.8	9
15	Voltammetric behaviour of the anticancer drug irinotecan and its metabolites in acetonitrile. Implications for electrochemical therapeutic drug monitoring. <i>Electrochimica Acta</i> , <b>2018</b> , 289, 483-493	6.7	8
14	Structure-Photoluminescence Quenching Relationships of Iridium(III)tris(phenylpyridine) Complexes. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 1025-1037	2.3	7
13	The Role of Peptides in the Design of Electrochemical Biosensors for Clinical Diagnostics. <i>Biosensors</i> , <b>2021</b> , 11,	5.9	7
12	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> , <b>2020</b> , 10, 3016	4.9	6
11	Dipole Moment Effect on the Electrochemical Desorption of Self-Assembled Monolayers of 310-Helicogenic Peptides on Gold. <i>ChemElectroChem</i> , <b>2016</b> , 3, 2063-2070	4.3	6
10	Practical fluorimetric assay for the detection of anticancer drug SN-38 in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 159, 73-81	3.5	6
9	Point-of-Care for Therapeutic Drug Monitoring of Antineoplastic Drugs <b>2016</b> , 6,		5
8	An SPR investigation into the therapeutic drug monitoring of the anticancer drug imatinib with selective aptamers operating in human plasma. <i>Analyst, The</i> , <b>2021</b> , 146, 1714-1724	5	5
7	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> , <b>2020</b> , 412, 1585-1593	4.4	4
6	The Fundamentals of Real-Time Surface Plasmon Resonance/Electrogenerated Chemiluminescence. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 18370-18374	3.6	4
5	Photophysics, Electrochemistry and Efficient Electrochemiluminescence of Trigonal Truxene-Core Dyes. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 8407-8416	4.8	2
4	Dipole Moment Effect on the Electrochemical Desorption of Self-Assembled Monolayers of 310-Helicogenic Peptides on Gold. <i>ChemElectroChem</i> , <b>2016</b> , 3, 1964-1964	4.3	2
3	Electrochemically induced electron transfer through molecular bridges. <i>Current Opinion in Electrochemistry</i> , <b>2021</b> , 28, 100700	7.2	2

2	Phosphorescent Cationic Heterodinuclear Ir /M Complexes (M=Cu , Au ) with a Hybrid Janus-Type N-Heterocyclic Carbene Bridge. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 11751-11766	4.8	1
1	Cationic rhenium(I) complexes bearing a $\pi$ -accepting pyridoannulated N-heterocyclic carbene ligand: Synthesis, photophysical, electrochemical and theoretical investigation. <i>Polyhedron</i> , <b>2021</b> , 197, 115025	2.7	1