Francesco Paolucci

List of Publications by Year
in descending order

259 papers	12,236 citations	20759 60 h-index	33814 99 g-index
277 all docs	277 docs citations	277 times ranked	12509 citing authors

#	Article	IF	Citations
1	Electron Transfer between Cytochrome c and p66Shc Generates Reactive Oxygen Species that Trigger Mitochondrial Apoptosis. Cell, 2005, 122, 221-233.	13.5	1,041
2	Photoinduction of Fast, Reversible Translational Motion in a Hydrogen-Bonded Molecular Shuttle. Science, 2001, 291, 2124-2128.	6.0	642
3	Efficient water oxidation at carbon nanotubeâ€“polyoxometalate electrocatalytic interfaces. Nature Chemistry, 2010, 2, 826-831.	6.6	459
4	Interactions in Single Wall Carbon Nanotubes/Pyrene/Porphyrin Nanohybrids. Journal of the American Chemical Society, 2006, 128, 11222-11231.	6.6	320
5	Electrochemically Switchable Hydrogen-Bonded Molecular Shuttles. Journal of the American Chemical Society, 2003, 125, 8644-8654.	6.6	232
6	Single Cell Electrochemiluminescence Imaging: From the Proof-of-Concept to Disposable Device-Based Analysis. Journal of the American Chemical Society, 2017, 139, 16830-16837.	6.6	221
7	Surface-Confined Electrochemiluminescence Microscopy of Cell Membranes. Journal of the American Chemical Society, 2018, 140, 14753-14760.	6.6	221
8	Insights into the mechanism of coreactant electrochemiluminescence facilitating enhanced bioanalytical performance. Nature Communications, 2020, 11, 2668.	5.8	198
9	Single-Wall Carbon Nanotubeâ€“Ferrocene Nanohybrids: Observing Intramolecular Electron Transfer in Functionalized SWNTs. Angewandte Chemie - International Edition, 2003, 42, 4206-4209.	7.2	188
10	Synthesis, Characterization, and Photoinduced Electron Transfer in Functionalized Single Wall Carbon Nanohorns. Journal of the American Chemical Society, 2007, 129, 3938-3945.	6.6	166
11	Three State Redox-Active Molecular Shuttle That Switches in Solution and on a Surface. Journal of the American Chemical Society, 2008, 130, 2593-2601.	6.6	158
12	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
13	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
14	Essential Role of Electrode Materials in Electrochemiluminescence Applications. ChemElectroChem, 2016, 3, 1990-1997.	1.7	126
15	Fullerenes: Multitask Components in Molecular Machinery. Angewandte Chemie - International Edition, 2007, 46, 8120-8126.	7.2	125
16	Essential Role of the Ancillary Ligand in the Color Tuning of Iridium Tetrazolate Complexes. Inorganic Chemistry, 2008, 47, 10509-10521.	1.9	119
17	Green and Blue Electrochemically Generated Chemiluminescence from Click Chemistryâ€”Customizable Iridium Complexes. Chemistry - A European Journal, 2011, 17, 4640-4647.	1.7	110
18	Electrogenerated chemiluminescence from metal complexes-based nanoparticles for highly sensitive sensors applications. Coordination Chemistry Reviews, 2018, 367, 65-81.	9.5	110

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19	Photoinduced Electron Transfer in a Tris(2,2â€²-bipyridine)-C60-ruthenium(II) Dyad: Evidence of Charge Recombination to a Fullerene Excited State. Chemistry - A European Journal, 1998, 4, 1992-2000.	1.7	106
20	Electrochemistry of Multicomponent Systems. Redox Series Comprising up to 26 Reversible Reduction Processes in Polynuclear Ruthenium(II) Bipyridine-Type Complexes. Journal of the American Chemical Society, 1999, 121, 10081-10091.	6.6	101
21	Twisted Aromatic Frameworks: Readily Exfoliable and Solutionâ€Processable Twoâ€Dimensional Conjugated Microporous Polymers. Angewandte Chemie - International Edition, 2017, 56, 6946-6951.	7.2	100
22	Singling out the Electrochemistry of Individual Single-Walled Carbon Nanotubes in Solution. Journal of the American Chemical Society, 2008, 130, 7393-7399.	6.6	99
23	Co-reactant-on-Demand ECL: Electrogenerated Chemiluminescence by the in Situ Production of S₂O₈^{2â€“} at Boron-Doped Diamond Electrodes. Journal of the American Chemical Society, 2016, 138, 15636-15641.	6.6	99
24	Co-axial heterostructures integrating palladium/titanium dioxide with carbon nanotubes for efficient electrocatalytic hydrogen evolution. Nature Communications, 2016, 7, 13549.	5.8	98
25	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
26	Highly Sensitive Electrochemiluminescent Nanobiosensor for the Detection of Palytoxin. ACS Nano, 2012, 6, 7989-7997.	7.3	96
27	Enhanced Acceptor Character in Fullerene Derivatives. Synthesis and Electrochemical Properties of Fulleropyrrolidinium Salts. Journal of the American Chemical Society, 1998, 120, 11645-11648.	6.6	94
28	Donorâ€“acceptor nanoensembles of soluble carbon nanotubes. Chemical Communications, 2004, , 2034.	2.2	94
29	Electrochemical and Theoretical Investigation of Corannulene Reduction Processes. Journal of Physical Chemistry B, 2009, 113, 1954-1962.	1.2	93
30	Knitting the Catalytic Pattern of Artificial Photosynthesis to a Hybrid Graphene Nanotexture. ACS Nano, 2013, 7, 811-817.	7.3	93
31	Supramolecular Fullerene Materials:â€‰ Dendritic Liquid-Crystalline Fulleropyrrolidines. Macromolecules, 2005, 38, 7915-7925.	2.2	91
32	Liquid-crystalline fullereneâ€“ferrocene dyads. Journal of Materials Chemistry, 2004, 14, 1266-1272.	6.7	90
33	Functionalised single wall carbon nanotubes/polypyrrole composites for the preparation of amperometric glucose biosensors. Journal of Materials Chemistry, 2004, 14, 807-810.	6.7	89
34	Improvements in the Characterization of the Crystalline Structure of Acid-Terminated Alkanethiol Self-Assembled Monolayers on Au(111). Langmuir, 2007, 23, 582-588.	1.6	87
35	Network Telemetry Streaming Services in SDN-Based Disaggregated Optical Networks. Journal of Lightwave Technology, 2018, 36, 3142-3149.	2.7	87
36	Intense and Tunable Electrochemiluminescence of Corannulene. Journal of Physical Chemistry C, 2010, 114, 19467-19472.	1.5	85

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37	Supramolecular Hybrids of [60]Fullerene and Single-Wall Carbon Nanotubes. Chemistry - A European Journal, 2006, 12, 3975-3983.	1.7	82
38	Tuning Electron Transfer through Translational Motion in Molecular Shuttles. Angewandte Chemie - International Edition, 2007, 46, 3521-3525.	7.2	82
39	Nanoparticles in metal complexes-based electrogenerated chemiluminescence for highly sensitive applications. Coordination Chemistry Reviews, 2012, 256, 1664-1681.	9.5	82
40	Cyclic Voltammetry and Bulk Electronic Properties of Soluble Carbon Nanotubes. Journal of the American Chemical Society, 2004, 126, 1646-1647.	6.6	80
41	A New Family of Ruthenium(II) Polypyridine Complexes Bearing 5-Aryltetrazolate Ligands as Systems for Electrochemiluminescent Devices. Inorganic Chemistry, 2006, 45, 695-709.	1.9	78
42	Graphene solutions. Chemical Communications, 2011, 47, 5470-5472.	2.2	78
43	Dyeâ€Doped Silica Nanoparticles for Enhanced ECLâ€Based Immunoassay Analytical Performance. Angewandte Chemie - International Edition, 2020, 59, 21858-21863.	7.2	78
44	Dynamics of the Electrochemical Behavior of Diimine Tricarbonyl Rhenium(I) Complexes in Strictly Aprotic Media. Journal of Physical Chemistry B, 1998, 102, 4759-4769.	1.2	77
45	Electrochemically-assisted deposition of biomimetic hydroxyapatiteâ€“collagen coatings on titanium plate. Inorganica Chimica Acta, 2008, 361, 1634-1645.	1.2	77
46	Advanced carbon nanomaterials for electrochemiluminescent biosensor applications. Current Opinion in Electrochemistry, 2019, 16, 66-74.	2.5	75
47	Versatile Coordination Chemistry towards Multifunctional Carbon Nanotube Nanohybrids. Chemistry - A European Journal, 2006, 12, 2152-2161.	1.7	73
48	Electrochemical reduction of (2,2'-bipyridine)- and bis((2-pyridyl)pyrazine)ruthenium(II) complexes used as building blocks for supramolecular species. Redox series made of 8, 10, and 12 redox steps. Inorganic Chemistry, 1993, 32, 3003-3009.	1.9	70
49	Electrogenerated Chemiluminescence by in Situ Production of Coreactant Hydrogen Peroxide in Carbonate Aqueous Solution at a Boron-Doped Diamond Electrode. Journal of the American Chemical Society, 2020, 142, 1518-1525.	6.6	70
50	Dinuclear and Dendritic Polynuclear Ruthenium(II) and Osmium(II) Polypyridine Complexes:â€‰ Electrochemistry at Very Positive Potentials in Liquid SO2. Journal of the American Chemical Society, 1998, 120, 5480-5487.	6.6	69
51	Modulation of the Reduction Potentials of Fullerene Derivatives. Journal of the American Chemical Society, 2003, 125, 7139-7144.	6.6	66
52	Nitrone [2]Rotaxanes: Simultaneous Chemical Protection and Electrochemical Activation of a Functional Group. Journal of the American Chemical Society, 2010, 132, 9465-9470.	6.6	66
53	Electrochemiluminescent Functionalizable Cyclometalated Thiophene-Based Iridium(III) Complexes. Inorganic Chemistry, 2010, 49, 1439-1448.	1.9	66
54	Redox Mediation at 11-Mercaptoundecanoic Acid Self-Assembled Monolayers on Gold. Journal of Physical Chemistry B, 2006, 110, 2241-2248.	1.2	65

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55	Facile Synthesis of Highly Stable Tetraazaheptacene and Tetraazaoctacene Dyes. Chemistry - an Asian Journal, 2010, 5, 482-485.	1.7	65
56	Highly sensitive electrochemiluminescence detection of a prostate cancer biomarker. Journal of Materials Chemistry B, 2017, 5, 6681-6687.	2.9	65
57	Electrochemical Monitoring of Valence Bond Isomers Interconversion in Bipyridyl-C61 Anions. Journal of the American Chemical Society, 1995, 117, 6572-6580.	6.6	64
58	Tailored Functionalization of Carbon Nanotubes for Electrocatalytic Water Splitting and Sustainable Energy Applications. ChemSusChem, 2011, 4, 1447-1451.	3.6	64
59	An architecture to support autonomic slice networking. Journal of Lightwave Technology, 2018, 36, 135-141.	2.7	64
60	P4 Edge Node Enabling Stateful Traffic Engineering and Cyber Security. Journal of Optical Communications and Networking, 2019, 11, A84.	3.3	62
61	Solvent Effects on the Oxidative Electrochemical Behavior ofcis-Bis(isothiocyanato)ruthenium(II)-bis-2,2â€˜-bipyridine-4,4â€˜-dicarboxylic Acid. Journal of Physical Chemistry B, 2002, 106, 3926-3932.	1.2	61
62	Structural, Electrochemical, and Photophysical Properties of a Molecular Shuttle Attached to an Acid-Terminated Self-Assembled Monolayer. Journal of Physical Chemistry B, 2004, 108, 15192-15199.	1.2	60
63	A Photosensitizer Dinuclear Ruthenium Complex: Intramolecular Energy Transfer to a Covalently Linked Fullerene Acceptor. Chemistry - A European Journal, 2001, 7, 1597-1605.	1.7	59
64	Electrochemical Generation of C602+and C603+. Journal of the American Chemical Society, 2003, 125, 15738-15739.	6.6	58
65	Toward quantum-dot cellular automata units: thiolated-carbazole linked bisferrocenes. Nanoscale, 2012, 4, 813-823.	2.8	58
66	Development of a New Device for Ultrasensitive Electrochemiluminescence Microscopy Imaging. Analytical Chemistry, 2009, 81, 6234-6241.	3.2	56
67	Electrogenerated chemiluminescence: A molecular electrochemistry point of view. Current Opinion in Electrochemistry, 2018, 8, 31-38.	2.5	56
68	Spatially resolved electrochemiluminescence through a chemical lens. Chemical Science, 2020, 11, 10496-10500.	3.7	56
69	Efficiency enhancement of the electrocatalytic reduction of CO2: fac-[Re(v-bpy)(CO)3Cl] electropolymerized onto mesoporous TiO2 electrodes. Inorganica Chimica Acta, 2006, 359, 3871-3874.	1.2	55
70	A versatile strategy for tuning the color of electrochemiluminescence using silica nanoparticles. Chemical Communications, 2012, 48, 4187.	2.2	54
71	A Guide Inside Electrochemiluminescent Microscopy Mechanisms for Analytical Performance Improvement. Analytical Chemistry, 2022, 94, 336-348.	3.2	53
72	The p-Si/fluoride interface in the anodic region: Damped and/or sustained oscillations. Journal of Electroanalytical Chemistry, 1992, 327, 343-349.	1.9	52

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73	Electrochemistry and spectroelectrochemistry of ruthenium(II)-bipyridine building blocks. Different behaviour of the 2,3- and 2,5-bis(2-pyridyl)pyrazine bridging ligands. Journal of Electroanalytical Chemistry, 2002, 532, 99-112.	1.9	51
74	Transparent Carbon Nanotube Network for Efficient Electrochemiluminescence Devices. Chemistry - A European Journal, 2015, 21, 12640-12645.	1.7	50
75	Glucose and Lactate Miniaturized Biosensors for SECM-Based High-Spatial Resolution Analysis: A Comparative Study. ACS Sensors, 2017, 2, 1310-1318.	4.0	49
76	Lighting up the Electrochemiluminescence of Carbon Dots through Preâ€•and Postâ€Synthetic Design. Advanced Science, 2021, 8, 2100125.	5.6	49
77	An electrochemiluminescence-supramolecular approach to sarcosine detection for early diagnosis of prostate cancer. Faraday Discussions, 2015, 185, 299-309.	1.6	45
78	Polypyridyl Ruthenium(II) Complexes with Tetrazolate-Based Chelating Ligands. Synthesis, Reactivity, and Electrochemical and Photophysical Properties. Inorganic Chemistry, 2007, 46, 9126-9138.	1.9	44
79	p66Shc, Mitochondria, and the Generation of Reactive Oxygen Species. Methods in Enzymology, 2013, 528, 99-110.	0.4	44
80	Experimental Demonstration of Segment Routing. Journal of Lightwave Technology, 2016, 34, 205-212.	2.7	44
81	Building Autonomic Optical Whitebox-Based Networks. Journal of Lightwave Technology, 2018, 36, 3097-3104.	2.7	44
82	A light-harvesting fluorinated fullerene donor-acceptor ensemble; long-lived charge separation. Chemical Communications, 2003, , 148-149.	2.2	40
83	Reverse Shuttling in a Fullerene-Stoppered Rotaxane. Organic Letters, 2006, 8, 5173-5176.	2.4	40
84	An electrochemically driven molecular shuttle controlled and monitored by C60. Chemical Communications, 2007, , 1945.	2.2	40
85	Synthesis, electrochemistry, Langmuirâ€“Blodgett deposition and photophysics of metal-coordinated fullereneâ€“porphyrin dyads. Journal of Organometallic Chemistry, 2000, 599, 62-68.	0.8	39
86	Numerical Simulation of Doped Silica Nanoparticle Electrochemiluminescence. Journal of Physical Chemistry C, 2015, 119, 26111-26118.	1.5	39
87	Segment Routing for Effective Recovery and Multi-domain Traffic Engineering. Journal of Optical Communications and Networking, 2017, 9, A223.	3.3	39
88	Design and synthesis of multi-component 18Ï€ annulenic fluorofullerene ensembles suitable for donorâ€“acceptor applications. Organic and Biomolecular Chemistry, 2004, 2, 319-329.	1.5	38
89	Electrochemical characterization of PANI-Nafion membranes and their electrocatalytic activity. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 300, 23-34.	0.3	37
90	Scanning electro-chemical microscopy reveals cancer cell redox state. Electrochimica Acta, 2015, 179, 65-73.	2.6	37

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91	Electrogenerated Chemiluminescence with Peroxydisulfate as a Coreactant Using Boron Doped Diamond Electrodes. Analytical Chemistry, 2018, 90, 12959-12963.	3.2	37
92	Electrochemical Detection of â€‰Câ€‰60 in Solution: Is Tetrahydrofuran a Suitable Solvent for Fullerene Studies?. Journal of the Electrochemical Society, 1999, 146, 3357-3360.	1.3	36
93	Calculated electron affinities and redox E0 values of polypyridinic derivatives. Journal of Electroanalytical Chemistry, 2004, 564, 231-237.	1.9	36
94	Supramolecular electrochemistry. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 302, 157-171.	0.3	35
95	Switchable photoreduction pathways of antimony(V) tetraphenylporphyrin. A potential multielectron transfer photosensitizer. Chemical Communications, 1996, , 1643-1644.	2.2	35
96	Anion recognition by functionalized single wall carbon nanotubes. Chemical Communications, 2003, , 2576-2577.	2.2	35
97	Growth of p- and n-Dopable Films from Electrochemically Generated C₆₀ Cations. Journal of the American Chemical Society, 2008, 130, 3788-3796.	6.6	35
98	Carbon supported noble metal nanoparticles as efficient catalysts for electrochemical water splitting. Nanoscale, 2020, 12, 20165-20170.	2.8	34
99	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
100	A Molecular Shuttle Driven by Fullerene Radicalâ€Anion Recognition. Chemistry - A European Journal, 2012, 18, 14063-14068.	1.7	33
101	Proteins as supramolecular hosts for C₆₀: a true solution of C₆₀ in water. Nanoscale, 2018, 10, 9908-9916.	2.8	33
102	Photophysical, electrochemical, and mesomorphic properties of a liquid-crystalline [60]fullereneâ€“peralkylated ferrocene dyad. Journal of Materials Chemistry, 2008, 18, 1504.	6.7	32
103	A glutathione amperometric biosensor based on an amphiphilic fullerene redox mediator immobilised within an amphiphilic polypyrrole film. Journal of Materials Chemistry, 2002, 12, 1996-2000.	6.7	31
104	Experimental and Theoretical Study of the p- and n-Doped States of Alkylsulfanyl Octithiophenes. Journal of Physical Chemistry B, 2010, 114, 8585-8592.	1.2	31
105	Molecular Size and Electronic Structure Combined Effects on the Electrogenerated Chemiluminescence of Sulfurated Pyreneâ€Cored Dendrimers. Chemistry - A European Journal, 2015, 21, 2936-2947.	1.7	31
106	Solid state electrochemiluminescence from homogeneous and patterned monolayers of bifunctional spirobifluorene. Chemical Communications, 2018, 54, 4999-5002.	2.2	31
107	Playing peekaboo with graphene oxide: a scanning electrochemical microscopy investigation. Chemical Communications, 2014, 50, 13117-13120.	2.2	30
108	Electrochemical activity of the polycrystalline cerium oxide films for hydrogen peroxide detection. Applied Surface Science, 2019, 488, 351-359.	3.1	30

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109	Tempo-C61:Â An Unusual Example of Fulleroid to Methanofullerene Conversion. Journal of Physical Chemistry A, 2000, 104, 156-163.	1.1	29
110	Theory and Simulation for Optimising Electrogenerated Chemiluminescence from Tris(2,2â€²â€bipyridine)â€ruthenium(II)â€Doped Silica Nanoparticles and Tripropylamine. ChemElectroChem, 2017, 4, 1719-1730.	1.7	29
111	Medium effects on the antioxidant activity of dipyridamole. Free Radical Biology and Medicine, 1999, 26, 295-302.	1.3	28
112	Synthesis and photoelectrochemical properties of a fullereneâ€“azothiophene dyad. Journal of Materials Chemistry, 1999, 9, 2743-2750.	6.7	28
113	Orchestration of Network Services across multiple operators: The 5G Exchange prototype. , 2017, , .		28
114	Synthesis of Heteroleptic Anthryl-Substituted Î²-Ketoenolates of Rhodium(III) and Iridium(III):Â Photophysical, Electrochemical, and EPR Study of the Fluorophoreâ‹¯Metal Interaction. Inorganic Chemistry, 2002, 41, 3396-3409.	1.9	27
115	Computational electrochemistry. Ab initio calculation of solvent effect in the multiple electroreduction of polypyridinic compounds. Journal of Molecular Structure, 2002, 612, 277-286.	1.8	27
116	Synthesis, photophysical, electrochemical, and electrochemiluminescent properties of 5,15-bis(9-anthracenyl)porphyrin derivatives. Organic and Biomolecular Chemistry, 2009, 7, 2402.	1.5	27
117	Surfactant Hydrogels for the Dispersion of Carbonâ€Nanotubeâ€Based Catalysts. Chemistry - A European Journal, 2013, 19, 16415-16423.	1.7	27
118	Synthesis of InAs and InAs1-xSbx from electrodeposited layers of indium, arsenic and Asî—¸Sb alloy. Journal of Electroanalytical Chemistry, 1992, 332, 199-211.	1.9	26
119	Bio-characterisation of tosylate-doped polypyrrole films for biomedical applications. Materials Science and Engineering C, 2005, 25, 43-49.	3.8	25
120	Induction of Motion in a Synthetic Molecular Machine: Effect of Tuning the Driving Force. Chemistry - A European Journal, 2013, 19, 5566-5577.	1.7	25
121	Active PCE demonstration performing elastic operations and hitless defragmentation in flexible grid optical networks. Photonic Network Communications, 2015, 29, 57-66.	1.4	25
122	CO₂ reduction to formic acid at low overpotential on BDD electrodes modified with nanostructured CeO₂. Journal of Materials Chemistry A, 2019, 7, 17896-17905.	5.2	25
123	Novel fulleropyrrolidiniumâ€based materials. Journal of Materials Chemistry, 2000, 10, 269-273.	6.7	24
124	Synthesis of 18? annulenic fluorofullerenes from tertiary carbanions: size matters!. Organic and Biomolecular Chemistry, 2003, 1, 2015.	1.5	24
125	Switch On/Switch Off Signal in an MOFâ€Guest Crystalline Device. European Journal of Inorganic Chemistry, 2013, 2013, 4459-4465.	1.0	24
126	Coreactant electrochemiluminescence at nanoporous gold electrodes. Electrochimica Acta, 2018, 277, 168-175.	2.6	24

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127	Network Service Chaining Using Segment Routing in Multi-Layer Networks. Journal of Optical Communications and Networking, 2018, 10, 582.	3.3	24
128	An electrochemical route to GaSb thin films. Journal of Applied Electrochemistry, 1990, 20, 868-873.	1.5	23
129	Polyaniline-based membranes for gas electrodes. Journal of Electroanalytical Chemistry, 1992, 323, 197-212.	1.9	23
130	The Electrochemistry of C60Ph5Cl:â€‰ A Very Special Fullerene Derivative. Journal of the American Chemical Society, 2000, 122, 4209-4212.	6.6	23
131	Water-Mediated ElectroHydrogenation of CO₂ at Near-Equilibrium Potential by Carbon Nanotubes/Cerium Dioxide Nanohybrids. ACS Applied Energy Materials, 2020, 3, 8509-8518.	2.5	23
132	Nano-structured materials for the electrochemiluminescence signal enhancement. Electrochimica Acta, 2021, 388, 138586.	2.6	23
133	Fully Disaggregated ROADM White Box with NETCONF/YANG Control, Telemetry, and Machine Learning-based Monitoring. , 2018, , .		23
134	Electrochemistry and spectroelectrochemistry of polypyridine ligands: A theoretical approach. Inorganica Chimica Acta, 2007, 360, 1154-1162.	1.2	22
135	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
136	Electrochemical study of hydrogen peroxide formation in isolated mitochondria. Bioelectrochemistry, 2012, 85, 21-28.	2.4	22
137	Dynamic Core VNT Adaptability Based on Predictive Metro-Flow Traffic Models. Journal of Optical Communications and Networking, 2017, 9, 1202.	3.3	22
138	Synthesis of InSb and InxGa1?xSb thin films from electrodeposited elemental layers. Journal of Applied Electrochemistry, 1991, 21, 863-868.	1.5	21
139	Syntheses, characterization and redox properties of homoleptic ruthenium(ii)â€“diphosphine and diarsine complexes: deviations from ligand additivity. Dalton Transactions RSC, 2002, , 4095-4104.	2.3	21
140	Twisted Aromatic Frameworks: Readily Exfoliable and Solutionâ€Processable Twoâ€Dimensional Conjugated Microporous Polymers. Angewandte Chemie, 2017, 129, 7050-7055.	1.6	21
141	The inhibition of the corrosion of mild steel in aqueous acids by in situ polymerization of unsaturated compounds. Corrosion Science, 1991, 32, 743-753.	3.0	20
142	Electrochemically Induced Dynamics of a Benzylic Amide [2]Catenane. Journal of Physical Chemistry B, 1999, 103, 10171-10179.	1.2	20
143	Cytotoxicity and probable mechanism of action of sulphimidazole. Journal of Antimicrobial Chemotherapy, 2000, 46, 541-550.	1.3	20
144	Electrochemical properties of a liquid-crystalline mixed fullereneâ€“ferrocene material and related species. Journal of Materials Chemistry, 2002, 12, 829-833.	6.7	20

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145	Photophysical and electrochemical properties of a fullerene-stoppered rotaxane. Photochemical and Photobiological Sciences, 2006, 5, 1173.	1.6	20
146	Creation of Reactive Micro Patterns on Silicon by Scanning Electrochemical Microscopy. Journal of Physical Chemistry C, 2010, 114, 22165-22170.	1.5	20
147	Raman Doping Profiles of Polyelectrolyte SWNTs in Solution. ACS Nano, 2011, 5, 9892-9897.	7.3	20
148	Dye-doped nanomaterials: Strategic design and role in electrochemiluminescence. Current Opinion in Electrochemistry, 2018, 7, 130-137.	2.5	20
149	Boron-Doped Diamond Electrode Outperforms the State-of-the-Art Electrochemiluminescence from Microbeads Immunoassay. ACS Sensors, 2022, 7, 1145-1155.	4.0	20
150	Electrochemistry at Very Positive Potentials in Liquid SO2. Mononuclear RuII and OsII Polypyridine Complexes. Inorganic Chemistry, 1998, 37, 2829-2832.	1.9	19
151	Electron transfer in pristine and functionalised single-walled carbon nanotubes. Chemical Communications, 2008, , 4867.	2.2	19
152	Microdrawing and highlighting a reactive surface. Journal of Materials Chemistry, 2010, 20, 7272.	6.7	19
153	Molecular design driving tetraporphyrin self-assembly on graphite: a joint STM, electrochemical and computational study. Nanoscale, 2016, 8, 13678-13686.	2.8	19
154	Synthesis and electrochemical behaviour of [60]fullerene possessing poly(arylacetylene) dendrimer addends. Perkin Transactions II RSC, 2000, , 1409-1414.	1.1	18
155	A fulleropyrrolidine binitroxide: synthesis, EPR and electrochemical features. Physical Chemistry Chemical Physics, 2001, 3, 3518-3525.	1.3	18
156	Antitumor Agents 4. Characterization of Free Radicals Produced during Reduction of the Antitumor Drug 5H-Pyridophenoxazin-5-one:Â An EPR Study. Biochemistry, 2003, 42, 11924-11931.	1.2	18
157	Ferrocenyl-Based ï€-Conjugated Complexes:â€‰ Modulation of Electronic Properties by Symmetric/Asymmetric Cyclopentadienyl Substitution. Organometallics, 2005, 24, 1198-1203.	1.1	18
158	Ruthenium(II) Complexes Containing Tetrazolate Group:Â Electrochemiluminescence in Solution and Solid State. Journal of Physical Chemistry B, 2006, 110, 22551-22556.	1.2	18
159	Electrochemical and electrochromic investigation of poly-bithiophene films on a mesoporous TiO2 surface. Synthetic Metals, 2006, 156, 27-31.	2.1	18
160	Neutral Dye-Doped Silica Nanoparticles for Electrogenerated Chemiluminescence Signal Amplification. Journal of Physical Chemistry C, 2019, 123, 5686-5691.	1.5	18
161	In-vitro studies of two 5-nitroimidazole derivatives. Journal of Antimicrobial Chemotherapy, 1997, 40, 19-25.	1.3	17
162	Electronic Communication in Homobimetallic Anthracene-Bridged Î·5-Cyclopentadienyl Derivatives of Rhodium(I):Â Generation and Characterization of the Average-Valence Species [L2Rh{C5H4CH2(9,10-anthrylene)CH2C5H4}RhL2]+. Organometallics, 2001, 20, 3478-3490.	1.1	17

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