

# Roberto Paolesse

## List of Publications by Year in descending order

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483  
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19657

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519  
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519  
docs citations

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times ranked

10588  
citing authors

#	ARTICLE	IF	CITATIONS
1	Porphyrinoids for Chemical Sensor Applications. <i>Chemical Reviews</i> , 2017, 117, 2517-2583.	47.7	590
2	Lung cancer identification by the analysis of breath by means of an array of non-selective gas sensors. <i>Biosensors and Bioelectronics</i> , 2003, 18, 1209-1218.	10.1	573
3	Solid-state gas sensors for breath analysis: A review. <i>Analytica Chimica Acta</i> , 2014, 824, 1-17.	5.4	307
4	5,10,15-Triphenylcorrole: a product from a modified Rothmund reaction. <i>Chemical Communications</i> , 1999, , 1307-1308.	4.1	282
5	An investigation on electronic nose diagnosis of lung cancer. <i>Lung Cancer</i> , 2010, 68, 170-176.	2.0	271
6	Synthesis and Functionalization of meso-Aryl-Substituted Corroles. <i>Journal of Organic Chemistry</i> , 2001, 66, 550-556.	3.2	234
7	Diagnostic Performance of an Electronic Nose, Fractional Exhaled Nitric Oxide, and Lung Function Testing in Asthma. <i>Chest</i> , 2010, 137, 790-796.	0.8	191
8	Reduced graphene oxide as efficient and stable hole transporting material in mesoscopic perovskite solar cells. <i>Nano Energy</i> , 2016, 22, 349-360.	16.0	166
9	Electronic nose and electronic tongue integration for improved classification of clinical and food samples. <i>Sensors and Actuators B: Chemical</i> , 2000, 64, 15-21.	7.8	148
10	Novel Aspects of Corrole Chemistry. <i>Mini-Reviews in Organic Chemistry</i> , 2005, 2, 355-374.	1.3	145
11	An electronic nose for food analysis. <i>Sensors and Actuators B: Chemical</i> , 1997, 44, 521-526.	7.8	144
12	Chemical Sensing with Familiar Devices. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3800-3803.	13.8	142
13	The application of metalloporphyrins as coating material for quartz microbalance-based chemical sensors. <i>Analytica Chimica Acta</i> , 1996, 325, 53-64.	5.4	140
14	Olfactory systems for medical applications. <i>Sensors and Actuators B: Chemical</i> , 2008, 130, 458-465.	7.8	138
15	Metalloporphyrins based artificial olfactory receptors. <i>Sensors and Actuators B: Chemical</i> , 2007, 121, 238-246.	7.8	134
16	The evaluation of quality of post-harvest oranges and apples by means of an electronic nose. <i>Sensors and Actuators B: Chemical</i> , 2001, 78, 26-31.	7.8	129
17	Novel routes to substituted 5,10,15-triarylcorroles. <i>Journal of Porphyrins and Phthalocyanines</i> , 2003, 07, 25-36.	0.8	127
18	Metal complexes of corrole. <i>Coordination Chemistry Reviews</i> , 2019, 388, 360-405.	18.8	124

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19	Corrole: The Little Big Porphyrinoid. <i>Synlett</i> , 2008, 2008, 2215-2230.	1.8	122
20	Chemical sensitivity of porphyrin assemblies. <i>Materials Today</i> , 2010, 13, 46-52.	14.2	114
21	Porphyrins-based opto-electronic nose for volatile compounds detection. <i>Sensors and Actuators B: Chemical</i> , 2000, 65, 220-226.	7.8	110
22	Comparison and integration of different electronic noses for freshness evaluation of cod-fish fillets. <i>Sensors and Actuators B: Chemical</i> , 2001, 77, 572-578.	7.8	109
23	Volatile signature for the early diagnosis of lung cancer. <i>Journal of Breath Research</i> , 2016, 10, 016007.	3.0	108
24	Application of metalloporphyrins-based gas and liquid sensor arrays to the analysis of red wine. <i>Analytica Chimica Acta</i> , 2004, 513, 49-56.	5.4	104
25	Stepwise Syntheses of Bisporphyrins, Bischlorins, and Biscorroles, and of Porphyrin <sup>2+</sup> Chlorin and Porphyrin <sup>2+</sup> Corrole Heterodimers. <i>Journal of the American Chemical Society</i> , 1996, 118, 3869-3882.	13.7	102
26	Fish freshness detection by a computer screen photoassisted based gas sensor array. <i>Analytica Chimica Acta</i> , 2007, 582, 320-328.	5.4	93
27	First Direct Synthesis of a Corrole Ring From a Monopyrrolic Precursor. Crystal and Molecular Structure of (Triphenylphosphine)(5,10,15-triphenyl-2,3,7,8,12,13,17,18-octamethylcorrolato)cobalt(III)-Dichloromethane. <i>Inorganic Chemistry</i> , 1994, 33, 1171-1176.	4.0	90
28	Metalloporphyrins as basic material for volatile sensitive sensors. <i>Sensors and Actuators B: Chemical</i> , 2000, 65, 209-215.	7.8	90
29	Gas-Sensitive Photoconductivity of Porphyrin-Functionalized ZnO Nanorods. <i>Journal of Physical Chemistry C</i> , 2012, 116, 9151-9157.	3.1	90
30	Application of a combined artificial olfaction and taste system to the quantification of relevant compounds in red wine. <i>Sensors and Actuators B: Chemical</i> , 2000, 69, 342-347.	7.8	89
31	Functionalization of Corroles: The Nitration Reaction. <i>Inorganic Chemistry</i> , 2007, 46, 10791-10799.	4.0	87
32	Identification of melanoma with a gas sensor array. <i>Skin Research and Technology</i> , 2008, 14, 226-236.	1.6	87
33	Temperature-Dependent Fluorescence of Cu <sub>5</sub> Metal Clusters: A Molecular Thermometer. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9662-9665.	13.8	87
34	Detection of fungal contamination of cereal grain samples by an electronic nose. <i>Sensors and Actuators B: Chemical</i> , 2006, 119, 425-430.	7.8	86
35	Iron corrolates: Unambiguous chloroiron(III) (corrolate) <sub>2</sub> <sup>+</sup> cation radicals. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 810-837.	3.5	86
36	Photophysical Behaviour of Corrole and its Symmetrical and Unsymmetrical Dyads. , 1999, 03, 364-370.		82

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37	The lung cancer breath signature: a comparative analysis of exhaled breath and air sampled from inside the lungs. <i>Scientific Reports</i> , 2015, 5, 16491.	3.3	82
38	Hierarchical Porphyrin Self-Assembly in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2004, 126, 5934-5935.	13.7	78
39	A preliminary study on the possibility to diagnose urinary tract cancers by an electronic nose. <i>Sensors and Actuators B: Chemical</i> , 2008, 131, 1-4.	7.8	77
40	Electronic nose based investigation of the sensorial properties of peaches and nectarines. <i>Sensors and Actuators B: Chemical</i> , 2001, 77, 561-566.	7.8	76
41	Preparation and Self-assembly of Chiral Porphyrin Diads on the Gold Electrodes of Quartz Crystal Microbalances: A Novel Potential Approach to the Development of Enantioselective Chemical Sensors. <i>Chemistry - A European Journal</i> , 2002, 8, 2476.	3.3	75
42	Synthesis and characterization of $\beta$ -fused porphyrin-BODIPY® dyads. <i>Tetrahedron</i> , 2004, 60, 1099-1106.	1.9	75
43	Synthesis and Functionalization of Germanium Triphenylcorrolate: The First Example of a Partially Brominated Corrole. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 2345-2352.	2.0	75
44	Recognition of fish storage time by a metalloporphyrins-coated QMB sensor array. <i>Measurement Science and Technology</i> , 1996, 7, 1103-1114.	2.6	74
45	Outer product analysis of electronic nose and visible spectra: application to the measurement of peach fruit characteristics. <i>Analytica Chimica Acta</i> , 2002, 459, 107-117.	5.4	73
46	Vilsmeier Formylation of 5,10,15-Triphenylcorrole: Expected and Unusual Products. <i>Chemistry - A European Journal</i> , 2003, 9, 1192-1197.	3.3	72
47	Low-voltage low-power integrated analog lock-in amplifier for gas sensor applications. <i>Sensors and Actuators B: Chemical</i> , 2010, 144, 400-406.	7.8	72
48	Diagnosis of pulmonary tuberculosis and assessment of treatment response through analyses of volatile compound patterns in exhaled breath samples. <i>Journal of Infection</i> , 2017, 74, 367-376.	3.3	72
49	Porphyrin-Based Nanostructures for Sensing Applications. <i>Journal of Sensors</i> , 2009, 2009, 1-10.	1.1	70
50	Synthesis, Characterization, and Electrochemical Behavior of (5,10,15-Tri-X-phenyl-2,3,7,8,12,13,17,18-octamethylcorrolato)cobalt(III) Triphenylphosphine Complexes, Where X = p-OCH <sub>3</sub> , p-CH <sub>3</sub> , p-Cl, m-Cl, o-Cl, m-F, or o-F. <i>Inorganic Chemistry</i> , 1995, 34, 532-540.	4.0	69
51	Human skin odor analysis by means of an electronic nose. <i>Sensors and Actuators B: Chemical</i> , 2000, 65, 216-219.	7.8	68
52	Preparation and characterization of cobalt porphyrin modified tin dioxide films for sensor applications. <i>Sensors and Actuators B: Chemical</i> , 2004, 103, 339-343.	7.8	67
53	Metalloporphyrins-modified carbon nanotubes networked films-based chemical sensors for enhanced gas sensitivity. <i>Sensors and Actuators B: Chemical</i> , 2010, 144, 387-394.	7.8	67
54	Corroles at work: a small macrocycle for great applications. <i>Chemical Society Reviews</i> , 2022, 51, 1277-1335.	38.1	67

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55	Advances in SAW-based gas sensors. Smart Materials and Structures, 1997, 6, 689-699.	3.5	66
56	Porphyrin thin films coated quartz crystal microbalances prepared by electropolymerization technique. Thin Solid Films, 1999, 354, 245-250.	1.8	66
57	Optimization of a NOx gas sensor based on single walled carbon nanotubes. Sensors and Actuators B: Chemical, 2006, 118, 226-231.	7.8	66
58	Multimodal Use of New Coumarin-Based Fluorescent Chemosensors: Towards Highly Selective Optical Sensors for Hg <sup>2+</sup> Probing. Chemistry - A European Journal, 2013, 19, 14639-14653.	3.3	66
59	Characterization and design of porphyrins-based broad selectivity chemical sensors for electronic nose applications. Sensors and Actuators B: Chemical, 1998, 52, 162-168.	7.8	65
60	More than apples and oranges - Detecting cancer with a fruit fly's antenna. Scientific Reports, 2014, 4, 3576.	3.3	64
61	Proton NMR Investigation of Substrate-Bound Heme Oxygenase: Evidence for Electronic and Steric Contributions to Stereoselective Heme Cleavage. Biochemistry, 1994, 33, 6631-6641.	2.5	63
62	Tetracoordinated Manganese(III) Alkylcorrolates. Spectroscopic Studies and the Crystal and Molecular Structure of (7,13-Dimethyl-2,3,8,12,17,18-hexaethylcorrolato)manganese(III). Inorganic Chemistry, 1997, 36, 1564-1570.	4.0	63
63	Use of electronic nose and trained sensory panel in the evaluation of tomato quality. Journal of the Science of Food and Agriculture, 2000, 80, 63-71.	3.5	63
64	Metal complexes of corroles and other corrinoids. , 1995, , 71-133.		62
65	The exploitation of metalloporphyrins as chemically interactive material in chemical sensors. Materials Science and Engineering C, 1998, 5, 209-215.	7.3	62
66	Î²-Fused Oligoporphyrins: A Novel Approach to a New Type of Extended Aromatic System. Journal of the American Chemical Society, 2000, 122, 11295-11302.	13.7	61
67	Investigation of VOCs associated with different characteristics of breast cancer cells. Scientific Reports, 2015, 5, 13246.	3.3	60
68	Technologies and tools for mimicking olfaction: status of the Rome "Tor Vergata" electronic nose. Biosensors and Bioelectronics, 1998, 13, 711-721.	10.1	58
69	Demetalation of Silver(III) Corrolates. Inorganic Chemistry, 2009, 48, 6879-6887.	4.0	57
70	Clinical analysis of human urine by means of potentiometric Electronic tongue. Talanta, 2009, 77, 1097-1104.	5.5	57
71	Tetra-phenyl porphyrin based thin film transistors. Synthetic Metals, 2003, 138, 261-266.	3.9	55
72	Detection of alcohols in beverages: An application of porphyrin-based Electronic tongue. Sensors and Actuators B: Chemical, 2006, 118, 439-447.	7.8	55

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73	$\hat{\Gamma}^2$ -Nitro-5,10,15-tritolylcobaltes. <i>Inorganic Chemistry</i> , 2012, 51, 6928-6942.	4.0	54
74	Electrochemistry of rhodium and cobalt corroles. Characterization of (OMC)Rh(PPh <sub>3</sub> ) and (OMC)Co(PPh <sub>3</sub> ) where OMC is the trianion of 2,3,7,8,12,13,17,18-octamethylcorrole. <i>Inorganic Chemistry</i> , 1992, 31, 2305-2313.	4.0	53
75	Piezoelectric sensors for dioxins: a biomimetic approach. <i>Biosensors and Bioelectronics</i> , 2004, 20, 1203-1210.	10.1	53
76	Gold nanoparticles-peptide based gas sensor arrays for the detection of foodaromas. <i>Biosensors and Bioelectronics</i> , 2013, 42, 618-625.	10.1	52
77	Introducing Cobalt(II) Porphyrin/Cobalt(III) Corrole Containing Transducers for Improved Potential Reproducibility and Performance of All-Solid-State Ion-Selective Electrodes. <i>Analytical Chemistry</i> , 2017, 89, 7107-7114.	6.5	52
78	Synthesis, Electrochemical, and Photophysical Study of Covalently Linked Porphyrin Dimers with Two Different Macrocycles. <i>Inorganic Chemistry</i> , 1998, 37, 2358-2365.	4.0	51
79	Porphyrin-based chemical sensors and multisensor arrays operating in the liquid phase. <i>Sensors and Actuators B: Chemical</i> , 2013, 179, 21-31.	7.8	51
80	Iminophosphine-palladium(0) complexes as highly active catalysts in the Suzuki reaction. Synthesis of undecaaryl substituted corroles. <i>Tetrahedron Letters</i> , 2004, 45, 5861-5864.	1.4	50
81	Pattern recognition approach to the study of the interactions between metalloporphyrin Langmuir-Blodgett films and volatile organic compounds. <i>Analytica Chimica Acta</i> , 1999, 384, 249-259.	5.4	49
82	Electronic tongue based on an array of metallic potentiometric sensors. <i>Talanta</i> , 2006, 70, 833-839.	5.5	49
83	Optochemical vapour detection using spin coated thin film of ZnTPP. <i>Sensors and Actuators B: Chemical</i> , 2006, 115, 12-16.	7.8	49
84	Demetalation of corrole complexes: an old dream turning into reality. <i>Journal of Porphyrins and Phthalocyanines</i> , 2008, 12, 19-26.	0.8	49
85	In situ detection of lung cancer volatile fingerprints using bronchoscopic air-sampling. <i>Lung Cancer</i> , 2012, 77, 46-50.	2.0	49
86	Electrospinning of Polystyrene/Polyhydroxybutyrate Nanofibers Doped with Porphyrin and Graphene for Chemiresistor Gas Sensors. <i>Nanomaterials</i> , 2019, 9, 280.	4.1	49
87	Towards the periodic table of metallocorrolates: synthesis and characterization of main group metal complexes of octamethylcorrole. <i>Inorganica Chimica Acta</i> , 1990, 178, 9-12.	2.4	48
88	Qualitative structure-sensitivity relationship in porphyrins based QMB chemical sensors. <i>Sensors and Actuators B: Chemical</i> , 2000, 68, 319-323.	7.8	48
89	Amphiphilic porphyrin film on glass as a simple and selective solid-state chemosensor for aqueous Hg <sup>2+</sup> . <i>Biosensors and Bioelectronics</i> , 2006, 22, 399-404.	10.1	48
90	Synthesis and Characterization of Free-Base, Copper, and Nickel Isocorroles. <i>Inorganic Chemistry</i> , 2010, 49, 5766-5774.	4.0	48

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91	Interaction of Tricationic Corroles with Single/Double Helix of Homopolymeric Nucleic Acids and DNA. <i>Journal of the American Chemical Society</i> , 2013, 135, 8632-8638.	13.7	48
92	Electronic nose analysis of urine samples containing blood. <i>Physiological Measurement</i> , 1999, 20, 377-384.	2.1	47
93	A model to predict fish quality from instrumental features. <i>Sensors and Actuators B: Chemical</i> , 2005, 111-112, 293-298.	7.8	47
94	Hemiporphycene from the Expansion of a Corrole Ring. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3047-3050.	13.8	47
95	Chiral Amplification of Chiral Porphyrin Derivatives by Templated Heteroaggregation. <i>Journal of the American Chemical Society</i> , 2007, 129, 6688-6689.	13.7	47
96	The Assembly of Porphyrin Systems in Well-Defined Nanostructures: An Update. <i>Molecules</i> , 2019, 24, 4307.	3.8	47
97	Development of a ChemFET sensor with molecular films of porphyrins as sensitive layer. <i>Sensors and Actuators B: Chemical</i> , 2001, 77, 567-571.	7.8	46
98	Gas sensing using single wall carbon nanotubes ordered with dielectrophoresis. <i>Sensors and Actuators B: Chemical</i> , 2005, 111-112, 181-186.	7.8	46
99	An Experimental Biomimetic Platform for Artificial Olfaction. <i>PLoS ONE</i> , 2008, 3, e3139.	2.5	46
100	Synthesis and characterization of cobalt(III) complexes of meso-phenyl-substituted corroles. <i>Inorganica Chimica Acta</i> , 1993, 203, 107-114.	2.4	45
101	Functionalization of Corroles: $\hat{A}$ Formylcorroles. <i>Journal of Organic Chemistry</i> , 1997, 62, 6193-6198.	3.2	45
102	Self-assembled monolayers of mercaptoporphyrins as sensing material for quartz crystal microbalance chemical sensors. <i>Sensors and Actuators B: Chemical</i> , 1998, 47, 70-76.	7.8	45
103	Supramolecular chirality control by solvent changes. Solvodychroic effect on chiral porphyrin aggregation. <i>Chemical Communications</i> , 2005, , 2471.	4.1	45
104	Amination Reaction on Copper and Germanium $\hat{I}^2$ -Nitrocorrolates. <i>Inorganic Chemistry</i> , 2011, 50, 8281-8292.	4.0	45
105	Quartz crystal microbalance gas sensor arrays for the quality control of chocolate. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 1114-1120.	7.8	45
106	The lectin-like oxidized LDL receptor-1: a new potential molecular target in colorectal cancer. <i>Oncotarget</i> , 2016, 7, 14765-14780.	1.8	45
107	Phosphorus complex of corrole. <i>Chemical Communications</i> , 1998, , 1119-1120.	4.1	44
108	NMR and Structural Investigations of A Nonplanar Iron Corrolate: $\hat{A}$ Modified Patterns of Spin Delocalization and Coupling in A Slightly Saddled Chloroiron(III) Corrolate Radical. <i>Inorganic Chemistry</i> , 2005, 44, 7030-7046.	4.0	44

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109	Carbon nanotubes modified with porphyrin units for gaseous phase chemical sensing. <i>Sensors and Actuators B: Chemical</i> , 2012, 170, 163-171.	7.8	44
110	Metalloporphyrin - based Electronic Tongue: an Application for the Analysis of Italian White wines. <i>Sensors</i> , 2007, 7, 2750-2762.	3.8	43
111	Detection and identification of cancers by the electronic nose. <i>Expert Opinion on Medical Diagnostics</i> , 2012, 6, 175-185.	1.6	43
112	Langmuir-Blodgett Films of a Manganese Corrole Derivative. <i>Langmuir</i> , 1999, 15, 1268-1274.	3.5	42
113	Carbon nanotube films as a platform to transduce molecular recognition events in metalloporphyrins. <i>Nanotechnology</i> , 2011, 22, 125502.	2.6	42
114	Chiral Selectivity of Porphyrin-ZnO Nanoparticle Conjugates. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 12077-12087.	8.0	42
115	A Novel Synthetic Route to Sapphyrins. <i>Journal of Organic Chemistry</i> , 1997, 62, 5133-5137.	3.2	41
116	Chloroiron meso-triphenylcorrolates: electronic ground state and spin delocalization. <i>Inorganica Chimica Acta</i> , 2002, 339, 171-178.	2.4	41
117	Sensitivity-selectivity balance in mass sensors: the case of metalloporphyrins. <i>Journal of Materials Chemistry</i> , 2004, 14, 1281.	6.7	41
118	One-step synthesis of isocorroles. <i>Tetrahedron Letters</i> , 2007, 48, 8643-8646.	1.4	41
119	Electronic nose and sensorial analysis: comparison of performances in selected cases. <i>Sensors and Actuators B: Chemical</i> , 1998, 50, 246-252.	7.8	40
120	Development of silicon-based potentiometric sensors: Towards a miniaturized electronic tongue. <i>Sensors and Actuators B: Chemical</i> , 2007, 123, 191-197.	7.8	40
121	The influence of gas adsorption on photovoltage in porphyrin coated ZnO nanorods. <i>Journal of Materials Chemistry</i> , 2012, 22, 20032.	6.7	40
122	Electronic tongue for microcystin screening in waters. <i>Biosensors and Bioelectronics</i> , 2016, 80, 154-160.	10.1	40
123	Synthesis of some bis(triphenylphosphine)(ethynylferrocenyl) platinum(II) complexes; molecular structure of $[PtH(Ci-1/4C-C5H4FeC5H5)(PPh3)2]$ . <i>Journal of Organometallic Chemistry</i> , 1994, 469, 245-252.	1.8	39
124	Langmuir-ShÅfer Transfer of Fullerenes and Porphyrins: Formation, Deposition, and Application of Versatile Films. <i>Chemistry - A European Journal</i> , 2004, 10, 6523-6530.	3.3	39
125	Supramolecular Chirality in Solvent-Promoted Aggregation of Amphiphilic Porphyrin Derivatives: Kinetic Studies and Comparison between Solution Behavior and Solid-State Morphology by AFM Topography. <i>Chemistry - A European Journal</i> , 2010, 16, 860-870.	3.3	39
126	Î²-Nitro Derivatives of Iron Corrolates. <i>Inorganic Chemistry</i> , 2012, 51, 3910-3920.	4.0	39



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127	Ethynyl porphyrins bridging bis(phosphine)platinum(II) centers: molecular models for conjugated organometallic porphyrin polymers. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 4063-4070.	1.1	38
128	Investigation of quartz microbalance and ChemFET transduction of molecular recognition events in a metalloporphyrin film. <i>Sensors and Actuators B: Chemical</i> , 2009, 135, 560-567.	7.8	38
129	Chemical sensitivity of self-assembled porphyrin nano-aggregates. <i>Nanotechnology</i> , 2009, 20, 055502.	2.6	38
130	Nitration of iron corrolates: further evidence for non-innocence of the corrole ligand. <i>Chemical Communications</i> , 2011, 47, 4255.	4.1	38
131	Platinum complex/Zn-porphyrin macrosystem assemblies: Electronic structure and conformational investigation by x-ray photoelectron spectroscopy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1999, 17, 832-839.	2.1	36
132	Portraits of gasses and liquids by arrays of nonspecific chemical sensors: trends and perspectives. <i>Sensors and Actuators B: Chemical</i> , 2000, 68, 324-330.	7.8	36
133	EAT-by-LIGHT: Fiber-Optic and Micro-Optic Devices for Food Quality and Safety Assessment. <i>IEEE Sensors Journal</i> , 2008, 8, 1342-1354.	4.7	36
134	Functionalization of the corrole ring: the role of isocorrole intermediates. <i>Chemical Communications</i> , 2011, 47, 4243.	4.1	36
135	Fluorescence Based Sensor Arrays. <i>Topics in Current Chemistry</i> , 2010, 300, 139-174.	4.0	35
136	Comparison and integration of arrays of quartz resonators and metal-oxide semiconductor chemoresistors in the quality evaluation of olive oils. <i>Sensors and Actuators B: Chemical</i> , 2001, 78, 303-309.	7.8	34
137	Thickness Dependence of the Optical Anisotropy for Porphyrin Octaester Langmuir-Schaefer Films. <i>Langmuir</i> , 2002, 18, 6881-6886.	3.5	34
138	Spontaneous deposition of amphiphilic porphyrin films on glass. Electronic supplementary information (ESI) available: detailed kinetic studies and procedures, and aggregation studies on 1H <sub>2</sub> and 2H <sub>2</sub> . See <a href="http://www.rsc.org/suppdata/nj/b4/b403591g/">http://www.rsc.org/suppdata/nj/b4/b403591g/</a> . <i>New Journal of Chemistry</i> , 2004, 28, 1123.	2.8	34
139	Study of the aroma of artificially flavoured custards by chemical sensor array fingerprinting. <i>Sensors and Actuators B: Chemical</i> , 2008, 133, 345-351.	7.8	34
140	Multi-transduction sensing films for Electronic Tongue applications. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 1076-1086.	7.8	34
141	Synthesis and reactivity toward nucleophiles of bis(isocyanide)(porphyrinato)rhodium(III) complexes. Crystal and molecular structure of a novel carbene complex: {(TPP)Rh(PhCH <sub>2</sub> NC)[C(NHCH <sub>2</sub> Ph) <sub>2</sub> ]PF <sub>6</sub> }. <i>Organometallics</i> , 1989, 8, 330-336.	2.3	33
142	Synthesis and characterization of novel metal(III) complexes of corrole. Crystal and molecular structure of (2,3,7,8,12,13,17,18-octamethylcorrolato)(triphenylarsine) rhodium(III). <i>Journal of the Chemical Society Dalton Transactions</i> , 1990, , 463.	1.1	33
143	Chemical images by porphyrin arrays of sensors. <i>Mikrochimica Acta</i> , 2008, 163, 103-112.	5.0	33
144	Synthetic Routes to 5,10,15-Triaryl-tetrabenzocorroles. <i>Journal of Organic Chemistry</i> , 2011, 76, 3765-3773.	3.2	33

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145	Site-Sensitive Gas Sensing and Analyte Discrimination in Langmuir-Blodgett Porphyrin Films. <i>Journal of Physical Chemistry C</i> , 2011, 115, 8189-8194.	3.1	33
146	The light enhanced gas selectivity of one-pot grown porphyrins coated ZnO nanorods. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 475-481.	7.8	33
147	Analysis of exhaled breath fingerprints and volatile organic compounds in COPD. <i>COPD Research and Practice</i> , 2015, 1, .	0.7	33
148	$\beta$ -Nitro Derivatives of Germanium(IV) Corrolates. <i>Inorganic Chemistry</i> , 2008, 47, 11680-11687.	4.0	32
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