

Maria Carmo Pereira

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.

148
papers

4,344
citations

38
h-index

57
g-index

164
ext. papers

5,088
ext. citations

5.5
avg, IF

5.91
L-index

#	Paper	IF	Citations
148	Transferrin Receptor-Targeted Nanocarriers: Overcoming Barriers to Treat Glioblastoma.. <i>Pharmaceutics</i> , 2022 , 14,	6.4	8
147	Indoor Air Quality Under Restricted Ventilation and Occupancy Scenarios with Focus on Particulate Matter: A Case Study of Fitness Centre. <i>Studies in Systems, Decision and Control</i> , 2022 , 345-354	0.8	
146	Polymeric Nanoparticles-Loaded Hydrogels for Biomedical Applications: A Systematic Review on In Vivo Findings.. <i>Polymers</i> , 2022 , 14,	4.5	10
145	Transferrin-modified nanoparticles for targeted delivery of Asiatic acid to glioblastoma cells.. <i>Life Sciences</i> , 2022 , 120435	6.8	7
144	Lipid Nanoparticles Containing Mixtures of Antioxidants to Improve Skin Care and Cancer Prevention.. <i>Pharmaceutics</i> , 2021 , 13,	6.4	6
143	Poly(lactic-co-glycolic acid) Nanoparticles for the Encapsulation and Gastrointestinal Release of Vitamin B9 and Vitamin B12. <i>ACS Applied Nano Materials</i> , 2021 , 4, 6881-6892	5.6	4
142	Vitamin B12 Inhibits A β Fibrillation and Disaggregates Preformed Fibrils in the Presence of Synthetic Neuronal Membranes. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 2491-2502	5.7	4
141	The Role of Amyloid β Biomembrane Interactions in the Pathogenesis of Alzheimer's Disease: Insights from Liposomes as Membrane Models. <i>ChemPhysChem</i> , 2021 , 22, 1547-1565	3.2	2
140	Liposomes as biomembrane models: Biophysical techniques for drug-membrane interaction studies. <i>Journal of Molecular Liquids</i> , 2021 , 334, 116141	6	9
139	The biophysical interaction of ferulic acid with liposomes as biological membrane model: The effect of the lipid bilayer composition. <i>Journal of Molecular Liquids</i> , 2021 , 324, 114689	6	4
138	Green tea extract-biomembrane interaction study: The role of its two major components, (-)-epigallocatechin gallate and (-)-epigallocatechin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021 , 1863, 183476	3.8	11
137	Oleogel-Based Systems for the Delivery of Bioactive Compounds in Foods. <i>Gels</i> , 2021 , 7,	4.2	5
136	Exploration of a Simplified Protocol for Solid Lipid Nanoparticle Production and Characterization. <i>Journal of Chemical Education</i> , 2021 , 98, 2693-2698	2.4	
135	Influence of in vitro neuronal membranes on the anti-amyloidogenic activity of gallic acid: Implication for the therapy of Alzheimer's disease. <i>Archives of Biochemistry and Biophysics</i> , 2021 , 711, 109022	4.1	3
134	The interaction of a β adrenoceptor agonist drug with biomimetic cell membrane models: The case of terbutaline sulphate. <i>Life Sciences</i> , 2021 , 285, 119992	6.8	2
133	Caffeic acid for the prevention and treatment of Alzheimer's disease: The effect of lipid membranes on the inhibition of aggregation and disruption of A β fibrils. <i>International Journal of Biological Macromolecules</i> , 2021 , 190, 853-861	7.9	3
132	Molecular interactions between Vitamin B12 and membrane models: A biophysical study for new insights into the bioavailability of Vitamin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 194, 111187	6	9

131	Environmental Particulate Matter Levels during 2017 Large Forest Fires and Megafires in the Center Region of Portugal: A Public Health Concern?. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	14
130	Assessment of indoor air exposure at residential homes: Inhalation dose and lung deposition of PM, PM and ultrafine particles among newborn children and their mothers. <i>Science of the Total Environment</i> , 2020 , 717, 137293	10.2	40
129	Fluorinated Molecules and Nanotechnology: Future 'Avengers' against the Alzheimer's Disease?. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
128	Assessment of indoor air exposure among newborns and their mothers: Levels and sources of PM, PM and ultrafine particles at 65 home environments. <i>Environmental Pollution</i> , 2020 , 264, 114746	9.3	17
127	Biosensors on the road to early diagnostic and surveillance of Alzheimer's disease. <i>Talanta</i> , 2020 , 211, 120700	6.2	19
126	Nanotechnology to improve the Alzheimer's disease therapy with natural compounds. <i>Drug Delivery and Translational Research</i> , 2020 , 10, 380-402	6.2	24
125	Ultrafine particles: Levels in ambient air during outdoor sport activities. <i>Environmental Pollution</i> , 2020 , 258, 113648	9.3	15
124	In vivo Bio-Distribution and Toxicity Evaluation of Polymeric and Lipid-Based Nanoparticles: A Potential Approach for Chronic Diseases Treatment. <i>International Journal of Nanomedicine</i> , 2020 , 15, 8609-8621	7.3	17
123	Firefighters exposure to fire emissions: Impact on levels of biomarkers of exposure to polycyclic aromatic hydrocarbons and genotoxic/oxidative-effects. <i>Journal of Hazardous Materials</i> , 2020 , 383, 121179 ^{12,8}	12.8	21
122	Doxorubicin and Varlitinib Delivery by Functionalized Gold Nanoparticles Against Human Pancreatic Adenocarcinoma. <i>Pharmaceutics</i> , 2019 , 11,	6.4	9
121	Assessment of ultrafine particles in primary schools: Emphasis on different indoor microenvironments. <i>Environmental Pollution</i> , 2019 , 246, 885-895	9.3	32
120	Natural Compounds for Alzheimer's Disease Therapy: A Systematic Review of Preclinical and Clinical Studies. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	85
119	Interaction of natural compounds with biomembrane models: A biophysical approach for the Alzheimer's disease therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 180, 83-92	6	20
118	Biophysical interaction of temozolomide and its active metabolite with biomembrane models: The relevance of drug-membrane interaction for Glioblastoma Multiforme therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 136, 156-163	5.7	23
117	Factorial Design as a Tool for the Optimization of PLGA Nanoparticles for the Co-Delivery of Temozolomide and O6-Benzylguanine. <i>Pharmaceutics</i> , 2019 , 11,	6.4	17
116	(Ultra) Fine particle concentrations and exposure in different indoor and outdoor microenvironments during physical exercising. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2019 , 82, 591-602	3.2	8
115	Biosensor for direct bioelectrocatalysis detection of nitric oxide using nitric oxide reductase incorporated in carboxylated single-walled carbon nanotubes/lipidic 3 bilayer nanocomposite. <i>Bioelectrochemistry</i> , 2019 , 127, 76-86	5.6	21
114	Nanomaterials towards Biosensing of Alzheimer's Disease Biomarkers. <i>Nanomaterials</i> , 2019 , 9,	5.4	31

113	Children environmental exposure to particulate matter and polycyclic aromatic hydrocarbons and biomonitoring in school environments: A review on indoor and outdoor exposure levels, major sources and health impacts. <i>Environment International</i> , 2019 , 124, 180-204	12.9	110
112	Receptor-mediated PLGA nanoparticles for glioblastoma multiforme treatment. <i>International Journal of Pharmaceutics</i> , 2018 , 545, 84-92	6.5	71
111	Indoor particulate pollution in fitness centres with emphasis on ultrafine particles. <i>Environmental Pollution</i> , 2018 , 233, 180-193	9.3	25
110	Gold Nanoparticles for Targeting Varlitinib to Human Pancreatic Cancer Cells. <i>Pharmaceutics</i> , 2018 , 10,	6.4	8
109	Indoor air quality in health clubs: Impact of occupancy and type of performed activities on exposure levels. <i>Journal of Hazardous Materials</i> , 2018 , 359, 56-66	12.8	14
108	Nanocarriers for the delivery of temozolomide in the treatment of glioblastoma 2018 , 687-722		6
107	Resveratrol Brain Delivery for Neurological Disorders Prevention and Treatment. <i>Frontiers in Pharmacology</i> , 2018 , 9, 1261	5.6	58
106	Air pollution: A public health approach for Portugal. <i>Science of the Total Environment</i> , 2018 , 643, 1041-1053	15.2	28
105	Polycyclic aromatic hydrocarbons at fire stations: firefighters' exposure monitoring and biomonitoring, and assessment of the contribution to total internal dose. <i>Journal of Hazardous Materials</i> , 2017 , 323, 184-194	12.8	48
104	Wood smoke exposure of Portuguese wildland firefighters: DNA and oxidative damage evaluation. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2017 , 80, 596-604	3.2	9
103	Indoor air quality in preschools (3- to 5-year-old children) in the Northeast of Portugal during spring-summer season: pollutants and comfort parameters. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2017 , 80, 740-755	3.2	9
102	Individual and cumulative impacts of fire emissions and tobacco consumption on wildland firefighters' total exposure to polycyclic aromatic hydrocarbons. <i>Journal of Hazardous Materials</i> , 2017 , 334, 10-20	12.8	14
101	Occupational exposure of firefighters to polycyclic aromatic hydrocarbons in non-fire work environments. <i>Science of the Total Environment</i> , 2017 , 592, 277-287	10.2	19
100	Polycyclic aromatic hydrocarbons (PAH) in Portuguese educational settings: a comparison between preschools and elementary schools. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2017 , 80, 630-640	3.2	7
99	Assessment of exposure to polycyclic aromatic hydrocarbons in preschool children: Levels and impact of preschool indoor air on excretion of main urinary monohydroxyl metabolites. <i>Journal of Hazardous Materials</i> , 2017 , 322, 357-369	12.8	26
98	Alzheimer's disease: Development of a sensitive label-free electrochemical immunosensor for detection of amyloid beta peptide. <i>Sensors and Actuators B: Chemical</i> , 2017 , 239, 157-165	8.5	75
97	Polycyclic aromatic hydrocarbons in primary school environments: Levels and potential risks. <i>Science of the Total Environment</i> , 2017 , 575, 1156-1167	10.2	36
96	Resveratrol and Grape Extract-loaded Solid Lipid Nanoparticles for the Treatment of Alzheimer's Disease. <i>Molecules</i> , 2017 , 22,	4.8	144

95	Assessment of air quality in preschool environments (3-5 years old children) with emphasis on elemental composition of PM10 and PM2.5. <i>Environmental Pollution</i> , 2016 , 214, 430-439	9.3	20
94	Assessment of polycyclic aromatic hydrocarbons in indoor and outdoor air of preschool environments (3-5 years old children). <i>Environmental Pollution</i> , 2016 , 208, 382-94	9.3	38
93	Functionalized gold nanoparticles improve afatinib delivery into cancer cells. <i>Expert Opinion on Drug Delivery</i> , 2016 , 13, 133-41	8	24
92	Preparation and Characterization of Polymeric Nanoparticles: An Interdisciplinary Experiment. <i>Journal of Chemical Education</i> , 2016 , 93, 1446-1451	2.4	29
91	Enhancing the efficiency of bortezomib conjugated to pegylated gold nanoparticles: an in vitro study on human pancreatic cancer cells and adenocarcinoma human lung alveolar basal epithelial cells. <i>Expert Opinion on Drug Delivery</i> , 2016 , 13, 1075-81	8	13
90	Children exposure to indoor ultrafine particles in urban and rural school environments. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 13877-85	5.1	15
89	Cellular uptake of PLGA nanoparticles targeted with anti-amyloid and anti-transferrin receptor antibodies for Alzheimer's disease treatment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 145, 8-13	6	113
88	Firefighters' exposure biomonitoring: Impact of firefighting activities on levels of urinary monohydroxyl metabolites. <i>International Journal of Hygiene and Environmental Health</i> , 2016 , 219, 857-866	6.9	28
87	Structural characterization of functionalized gold nanoparticles for drug delivery in cancer therapy: a NMR based approach. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 18971-9	3.6	25
86	Supramolecular nanoscale assemblies for cancer diagnosis and therapy. <i>Journal of Controlled Release</i> , 2015 , 213, 152-167	11.7	22
85	Dual ligand immunoliposomes for drug delivery to the brain. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 134, 213-9	6	41
84	Exposure of Children to Ultrafine Particles in Primary Schools in Portugal. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2015 , 78, 904-14	3.2	14
83	Children's Indoor Exposures to (Ultra)Fine Particles in an Urban Area: Comparison Between School and Home Environments. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2015 , 78, 886-96	3.2	13
82	Interaction studies of amyloid beta-peptide with the natural compound resveratrol 2015 ,		4
81	Synthesis and study of the complex formation of a cationic alkyl-chain bola amino alcohol with DNA: in vitro transfection efficiency. <i>Colloid and Polymer Science</i> , 2015 , 293, 3167-3175	2.4	6
80	Exposure to polycyclic aromatic hydrocarbons and assessment of potential risks in preschool children. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 13892-902	5.1	7
79	Transferrin surface-modified PLGA nanoparticles-mediated delivery of a proteasome inhibitor to human pancreatic cancer cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 1476-84	5.4	45
78	Immunoliposomes doubly targeted to transferrin receptor and to β synuclein. <i>Future Science OA</i> , 2015 , 1, FSO71	2.7	12

77	Polycyclic aromatic hydrocarbons: levels and phase distributions in preschool microenvironment. <i>Indoor Air</i> , 2015 , 25, 557-68	5.4	19
76	PLGA nanoparticles as a platform for vitamin D-based cancer therapy. <i>Beilstein Journal of Nanotechnology</i> , 2015 , 6, 1306-18	3	32
75	PLGA nanoparticles for calcitriol delivery 2015 ,		7
74	The Potential Effect of Fluorinated Compounds in the Treatment of Alzheimer's Disease. <i>Current Pharmaceutical Design</i> , 2015 , 21, 5725-35	3.3	6
73	Trace metals in size-fractionated particulate matter in a Portuguese hospital: exposure risks assessment and comparisons with other countries. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 3604-20	5.1	17
72	Fluorinated beta-sheet breaker peptides. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 2259-2264	7.3	36
71	Encapsulation of a proteasome inhibitor with gold-polysaccharide nanocarriers. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	2
70	Targeting nanoparticles across the blood-brain barrier with monoclonal antibodies. <i>Nanomedicine</i> , 2014 , 9, 709-22	5.6	64
69	Enhancing proteasome-inhibitor effect by functionalized gold nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 717-23	4	12
68	Ultrafine particles in ambient air of an urban area: dose implications for elderly. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2014 , 77, 827-36	3.2	4
67	Assessment of ultrafine particles in Portuguese preschools: levels and exposure doses. <i>Indoor Air</i> , 2014 , 24, 618-28	5.4	51
66	Levels and risks of particulate-bound PAHs in indoor air influenced by tobacco smoke: a field measurement. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 4492-501	5.1	28
65	Charged surfactants induce a non-fibrillar aggregation pathway of amyloid-beta peptide. <i>Journal of Peptide Science</i> , 2013 , 19, 581-7	2.1	17
64	PAH air pollution at a Portuguese urban area: carcinogenic risks and sources identification. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 3932-45	5.1	71
63	Gold nanoparticle delivery-enhanced proteasome inhibitor effect in adenocarcinoma cells. <i>Expert Opinion on Drug Delivery</i> , 2013 , 10, 1345-52	8	25
62	Evaluation of atmospheric deposition and patterns of polycyclic aromatic hydrocarbons in façades of historic monuments of Oporto (Portugal). <i>International Journal of Environmental Analytical Chemistry</i> , 2013 , 93, 1052-1064	1.8	2
61	The effect of a fluorinated cholesterol derivative on the stability and physical properties of cationic DNA vectors. <i>Soft Matter</i> , 2013 , 9, 401-409	3.6	14
60	Immunoliposomes for Alzheimer's disease therapy 2013 ,		1

59	Impact of vehicular traffic emissions on particulate-bound PAHs: Levels and associated health risks. <i>Atmospheric Research</i> , 2013 , 127, 141-147	5.4	83
58	Forest fires in Northern region of Portugal: Impact on PM levels. <i>Atmospheric Research</i> , 2013 , 127, 148-154	5.4	10
57	Biofilm Control With New Microparticles With Immobilized Biocide. <i>Heat Transfer Engineering</i> , 2013 , 34, 712-718	1.7	13
56	Chitosan conjugates for DNA delivery. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 11893-9	3.6	12
55	Langmuir monolayers of monocationic lipid mixed with cholesterol or fluorocholesterol: DNA adsorption studies. <i>Langmuir</i> , 2013 , 29, 1920-5	4	12
54	Polysaccharide-Based Nanoparticles for Cancer Therapy. <i>Journal of Nanopharmaceutics and Drug Delivery</i> , 2013 , 1, 335-354		4
53	Carbohydrate particles as protein carriers and scaffolds: physico-chemical characterization and collagen stability. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	6
52	Elemental characterization of indoor breathable particles at a Portuguese urban hospital. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2012 , 75, 909-19	3.2	23
51	Peptide-surfactant interactions: consequences for the amyloid-beta structure. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 420, 136-40	3.4	19
50	Design of potential therapeutic peptides and carriers to inhibit amyloid β peptide aggregation 2012 ,		3
49	Comparison of several linear statistical models to predict tropospheric ozone concentrations. <i>Journal of Statistical Computation and Simulation</i> , 2012 , 82, 183-192	0.9	8
48	Spirometric tests to assess the prevalence of childhood asthma at Portuguese rural areas: influence of exposure to high ozone levels. <i>Environment International</i> , 2011 , 37, 474-8	12.9	14
47	Epigallocatechin gallate-loaded polysaccharide nanoparticles for prostate cancer chemoprevention. <i>Nanomedicine</i> , 2011 , 6, 79-87	5.6	87
46	Nanostructure of polysaccharide complexes. <i>Journal of Colloid and Interface Science</i> , 2011 , 363, 450-5	9.3	28
45	Identification of tobacco smoke components in indoor breathable particles by SEM/EDS. <i>Atmospheric Environment</i> , 2011 , 45, 863-872	5.3	19
44	Polycyclic aromatic hydrocarbons in gas and particulate phases of indoor environments influenced by tobacco smoke: Levels, phase distributions, and health risks. <i>Atmospheric Environment</i> , 2011 , 45, 1799-1808	5.3	96
43	Preservation of catechin antioxidant properties loaded in carbohydrate nanoparticles. <i>Carbohydrate Polymers</i> , 2011 , 86, 147-153	10.3	67
42	Prediction of tropospheric ozone concentrations: Application of a methodology based on the Darwin Theory of Evolution. <i>Expert Systems With Applications</i> , 2011 , 38, 1903-1908	7.8	9

41	Air pollution from traffic emissions in Oporto, Portugal: Health and environmental implications. <i>Microchemical Journal</i> , 2011 , 99, 51-59	4.8	70
40	Physiological changes induced by the quaternary ammonium compound benzyldimethyldodecylammonium chloride on <i>Pseudomonas fluorescens</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2011 , 66, 1036-43	5.1	92
39	Influence of traffic emissions on the carcinogenic polycyclic aromatic hydrocarbons in outdoor breathable particles. <i>Journal of the Air and Waste Management Association</i> , 2010 , 60, 393-401	2.4	37
38	Is the viscoelasticity of Alzheimer's Aβ ₄₂ peptide oligomers a general property of protein oligomers related to their toxicity?. <i>Langmuir</i> , 2010 , 26, 12060-7	4	11
37	Evolutionary procedure based model to predict ground level ozone concentrations. <i>Atmospheric Pollution Research</i> , 2010 , 1, 215-219	4.5	8
36	Prediction of PM ₁₀ concentrations through multi-gene genetic programming. <i>Atmospheric Pollution Research</i> , 2010 , 1, 305-310	4.5	6
35	Controlling amyloid-beta peptide(1-42) oligomerization and toxicity by fluorinated nanoparticles. <i>ChemBioChem</i> , 2010 , 11, 1905-13	3.8	39
34	Randomization of amyloid-β peptide(1-42) conformation by sulfonated and sulfated nanoparticles reduces aggregation and cytotoxicity. <i>Macromolecular Bioscience</i> , 2010 , 10, 1152-63	5.5	29
33	Lipid/particle assemblies based on maltodextrin-gum arabic core as bio-carriers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 76, 449-55	6	38
32	NMR structural analysis of epigallocatechin gallate loaded polysaccharide nanoparticles. <i>Carbohydrate Polymers</i> , 2010 , 82, 861-866	10.3	23
31	Influence of tobacco smoke on the elemental composition of indoor particles of different sizes. <i>Atmospheric Environment</i> , 2009 , 43, 486-493	5.3	55
30	Identification of redundant air quality measurements through the use of principal component analysis. <i>Atmospheric Environment</i> , 2009 , 43, 3837-3842	5.3	32
29	Influence of tobacco smoke on carcinogenic PAH composition in indoor PM ₁₀ and PM _{2.5} . <i>Atmospheric Environment</i> , 2009 , 43, 6376-6382	5.3	37
28	Potentialities of quantile regression to predict ozone concentrations. <i>Environmetrics</i> , 2009 , 20, 147-158	1.3	30
27	Analysis of polycyclic aromatic hydrocarbons in atmospheric particulate samples by microwave-assisted extraction and liquid chromatography. <i>Journal of Separation Science</i> , 2009 , 32, 501-104	10.4	46
26	Ozone exposure and its influence on the worsening of childhood asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2009 , 64, 1046-55	9.3	17
25	Adsorption and diffusion of plasma proteins on hydrophilic and hydrophobic surfaces: effect of trifluoroethanol on protein structure. <i>Langmuir</i> , 2009 , 25, 9879-86	4	47
24	Design and biological activity of beta-sheet breaker peptide conjugates. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 380, 397-401	3.4	39

23	Management of air quality monitoring using principal component and cluster analysis Part II: CO, NO ₂ and O ₃ . <i>Atmospheric Environment</i> , 2008 , 42, 1261-1274	5.3	70
22	Management of air quality monitoring using principal component and cluster analysis Part I: SO ₂ and PM ₁₀ . <i>Atmospheric Environment</i> , 2008 , 42, 1249-1260	5.3	105
21	Influence of atmospheric ozone, PM ₁₀ and meteorological factors on the concentration of airborne pollen and fungal spores. <i>Atmospheric Environment</i> , 2008 , 42, 7452-7464	5.3	57
20	Influence of traffic emissions on the composition of atmospheric particles of different sizes Part 2: SEMEDS characterization. <i>Journal of Atmospheric Chemistry</i> , 2008 , 60, 221-236	3.2	41
19	The conformation of fusogenic B18 peptide in surfactant solutions. <i>Journal of Peptide Science</i> , 2008 , 14, 436-41	2.1	8
18	Influence of fluorinated and hydrogenated nanoparticles on the structure and fibrillogenesis of amyloid beta-peptide. <i>Biophysical Chemistry</i> , 2008 , 137, 35-42	3.5	94
17	Selection and validation of parameters in multiple linear and principal component regressions. <i>Environmental Modelling and Software</i> , 2008 , 23, 50-55	5.2	53
16	Adsorption of the fusogenic peptide B18 onto solid surfaces: insights into the mechanism of peptide assembly. <i>Langmuir</i> , 2007 , 23, 5022-8	4	9
15	Multiple linear regression and artificial neural networks based on principal components to predict ozone concentrations. <i>Environmental Modelling and Software</i> , 2007 , 22, 97-103	5.2	299
14	Influence of traffic emissions on the composition of atmospheric particles of different sizes Part 1: concentrations and elemental characterization. <i>Journal of Atmospheric Chemistry</i> , 2007 , 58, 55-68	3.2	50
13	Air quality improvements using European environment policies: a case study of SO ₂ in a coastal region in Portugal. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2007 , 70, 347-371	3.2	22
12	Prediction of ozone concentrations in Oporto city with statistical approaches. <i>Chemosphere</i> , 2006 , 64, 1141-9	8.4	40
11	Contribution of anthropogenic pollutants to the increase of tropospheric ozone levels in the Oporto Metropolitan Area, Portugal since the 19th century. <i>Environmental Pollution</i> , 2006 , 140, 516-24	9.3	38
10	European Directives for Air Quality: Analysis of the New Limits in Comparison with Asthmatic Symptoms in Children Living in the Oporto Metropolitan Area, Portugal. <i>Human and Ecological Risk Assessment (HERA)</i> , 2005 , 11, 607-616	4.9	13
9	Relevant aspects of air quality in Oporto (Portugal): PM ₁₀ and O ₃ . <i>Environmental Monitoring and Assessment</i> , 2005 , 101, 203-21	3.1	19
8	Adsorption of amyloid beta-peptide at polymer surfaces: a neutron reflectivity study. <i>ChemPhysChem</i> , 2005 , 6, 2527-34	3.2	37
7	The conformation of B18 peptide in the presence of fluorinated and alkylated nanoparticles. <i>ChemBioChem</i> , 2005 , 6, 280-3	3.8	11
6	Histological effects of iron accumulation on mice liver and spleen after administration of a metallic solution. <i>Biomaterials</i> , 1999 , 20, 2193-8	15.6	19

5	Individual study of chromium in the stainless steel implants degradation: an experimental study in mice. <i>BioMetals</i> , 1999 , 12, 275-80	3-4	7
4	Application of Adsorptive Stripping Voltammetry to the Determination of Trace Levels of Titanium in Mice Organs. <i>Electroanalysis</i> , 1999 , 11, 1207-1210	3	3
3	Evaluation of nickel toxicity on liver, spleen, and kidney of mice after administration of high-dose metal ion. <i>Journal of Biomedical Materials Research Part B</i> , 1998 , 40, 40-7		45
2	Nickel quantification in mice organs by adsorptive cathodic stripping voltammetry using mercury microelectrodes. <i>Electroanalysis</i> , 1997 , 9, 150-154	3	6
1	Adsorptive stripping voltammetric measurements of chromium accumulation in mice organs using mercury film microelectrodes. <i>Electroanalysis</i> , 1997 , 9, 941-944	3	20