

# Patricio Peralta-Zamora

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/7160494/patricio-peralta-zamora-publications-by-year.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

98  
papers

2,621  
citations

26  
h-index

48  
g-index

109  
ext. papers

2,825  
ext. citations

3.8  
avg, IF

4.72  
L-index

#	Paper	IF	Citations
98	Simultaneous multi-residue pesticide analysis in southern Brazilian soil based on chemometric tools and QuEChERS-LC-DAD/FLD method.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	0
97	Understanding the nature of Fenton processes in soil matrices: The role of iron forms and organic matter. <i>Science of the Total Environment</i> , <b>2021</b> , 796, 148804	10.2	2
96	Visible-light reduced silver nanoparticlesStoxicity in <i>Allium cepa</i> test system. <i>Environmental Pollution</i> , <b>2020</b> , 257, 113551	9.3	10
95	Relationship of the physicochemical properties of novel ZnO/biochar composites to their efficiencies in the degradation of sulfamethoxazole and methyl orange. <i>Science of the Total Environment</i> , <b>2020</b> , 748, 141381	10.2	29
94	TiO <sub>2</sub> supported on <i>Salvinia molesta</i> biochar for heterogeneous photocatalytic degradation of Acid Orange 7 dye. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 102879	6.8	37
93	Evaluation of a Hollow-Fiber Liquid-Phase Microextraction Technique for the Simultaneous Determination of PPI Drugs in Human Plasma by LC-DAD. <i>Journal of Chromatographic Science</i> , <b>2018</b> , 56, 564-573	1.4	8
92	Investigations on iron leaching from oxides and its relevance for radical generation during Fenton-like catalysis. <i>Environmental Earth Sciences</i> , <b>2018</b> , 77, 1	2.9	5
91	Unraveling the sigmoidal profiles in Fenton catalysis: Toward mechanistic elucidation. <i>Journal of Catalysis</i> , <b>2018</b> , 361, 214-221	7.3	11
90	Statistical analysis of wheat under different seed treatments: development of a discriminative model based on physicochemical and rheological properties. <i>Journal of the Science of Food and Agriculture</i> , <b>2018</b> , 98, 3084-3088	4.3	1
89	Antituberculosis drugs degradation by UV-based advanced oxidation processes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 353, 26-33	4.7	32
88	Fabrication of ZnO-Zn <sub>2</sub> TiO <sub>4</sub> nanocomposite from zinc hydroxide nitrate and its photocatalytic efficiency. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 353, 46-52	4.7	10
87	Evaluation of the Fenton process effectiveness in the remediation of soils contaminated by gasoline: Effect of soil physicochemical properties. <i>Chemosphere</i> , <b>2018</b> , 207, 154-161	8.4	11
86	Determination of Biodiesel Content in Diesel Fuel by Time-Domain Nuclear Magnetic Resonance (TD-NMR) Spectroscopy. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 5120-5125	4.1	11
85	Suspended and Immobilized TiO <sub>2</sub> Photocatalytic Degradation of Estrogens: Potential for Application in Wastewater Treatment Processes. <i>Journal of the Brazilian Chemical Society</i> , <b>2017</b> ,	1.5	3
84	New insight into monitoring degradation products during the TiO-photocatalysis process by multivariate molecular spectroscopy. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 6040-6046 <sup>5.1</sup>		
83	Non-Synergistic UV-A Photocatalytic Degradation of Estrogens by Nano-TiO <sub>2</sub> Supported on Activated Carbon. <i>Journal of the Brazilian Chemical Society</i> , <b>2016</b> ,	1.5	2
82	Behavior of Atrazine and Its Degradation Products Deethylatrazine and Deisopropylatrazine in Oxisol Samples. <i>Water, Air, and Soil Pollution</i> , <b>2016</b> , 227, 1	2.6	8

81	Experimental design as a tool for studying trihalomethanes formation parameters during water chlorination. <i>Microchemical Journal</i> , <b>2015</b> , 123, 252-258	4.8	5
80	Determination of total phenolic compounds in yerba mate ( <i>Ilex paraguariensis</i> ) combining near infrared spectroscopy (NIR) and multivariate analysis. <i>LWT - Food Science and Technology</i> , <b>2015</b> , 60, 795-801	5.4	47
79	Simultaneous determination of atrazine and metabolites (DIA and DEA) in natural water by multivariate electronic spectroscopy. <i>Microchemical Journal</i> , <b>2014</b> , 117, 262-267	4.8	23
78	Application of multivariate calibration and NIR spectroscopy for the quantification of methylxanthines in yerba mate ( <i>Ilex paraguariensis</i> ). <i>Journal of Food Composition and Analysis</i> , <b>2014</b> , 35, 55-60	4.1	14
77	Multivariate calibration and moisture control in yerba mate by near infrared spectroscopy. <i>Acta Scientiarum - Technology</i> , <b>2014</b> , 36, 369	0.5	4
76	Simultaneous spectrophotometric determination of pyrantel pamoate and febantel in pharmaceutical preparations using partial least-squares regression. <i>Journal of Analytical Chemistry</i> , <b>2014</b> , 69, 948-952	1.1	0
75	Sorption and Preconcentration of the Herbicides Atrazine, Simazine, and Ametryne on Montmorillonite. <i>Analytical Letters</i> , <b>2013</b> , 46, 439-451	2.2	7
74	Degradation of an Azo Dye (Ponceau 4R) and Treatment of Wastewater from a Food Industry by Ozonation. <i>Ozone: Science and Engineering</i> , <b>2013</b> , 35, 295-301	2.4	20
73	Prediction of linolenic and linoleic fatty acids content in flax seeds and flax seeds flours through the use of infrared reflectance spectroscopy and multivariate calibration. <i>Food Research International</i> , <b>2013</b> , 51, 848-854	7	14
72	TiO <sub>2</sub> and ZnO mediated photocatalytic degradation of E2 and EE2 estrogens. <i>Photochemical and Photobiological Sciences</i> , <b>2013</b> , 12, 678-83	4.2	9
71	Photocatalytic degradation of microcystin-LR in aqueous solutions. <i>Chemosphere</i> , <b>2013</b> , 90, 1552-7	8.4	21
70	Multivariate optimisation of TiO <sub>2</sub> /carbon nanocomposites for photocatalytic degradation of a reactive textile dye. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 581-586	5.1	13
69	Extraction Method for the Determination of Atrazine, Deethylatrazine, and Deisopropylatrazine in Agricultural Soil Using Factorial Design. <i>Journal of the Brazilian Chemical Society</i> , <b>2013</b> ,	1.5	2
68	Multivariate optimization of mercury determination by flow injection-cold vapor generation-inductively coupled plasma optical emission spectrometry. <i>Analyst, The</i> , <b>2012</b> , 137, 4458-63	5	15
67	Degradação de corantes têxteis e remediação de resíduos de tingimento por processos Fenton, foto-Fenton e eletro-Fenton. <i>Quimica Nova</i> , <b>2012</b> , 35, 932-938	1.6	7
66	Photocatalytic degradation of camphor by suspended and immobilized photocatalysts. <i>Journal of the Brazilian Chemical Society</i> , <b>2012</b> , 23, 1563-1569	1.5	4
65	Degradação de poluentes emergentes por processos Fenton e foto-Fenton. <i>Quimica Nova</i> , <b>2012</b> , 35, 1381-1387	1.6	6
64	Kinetics of oxidation of ponceau 4R in aqueous solutions by Fenton and photo-Fenton processes. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2012</b> , 105, 293-306	1.6	22

63	Considerações sobre o preparo de amostras contendo micropoluentes estrogênicos. <i>Quimica Nova</i> , <b>2012</b> , 35, 1213-1215	1.6	3
62	Distribution and origin of polycyclic aromatic hydrocarbons in surface sediments from an urban river basin at the Metropolitan region of Curitiba, Brazil. <i>Journal of Environmental Sciences</i> , <b>2011</b> , 23, 904-11	6.4	27
61	Photoelectrocatalytic degradation of camphor on TiO <sub>2</sub> /RuO <sub>2</sub> electrodes. <i>Environmental Chemistry Letters</i> , <b>2011</b> , 9, 97-102	13.3	19
60	Caracterização espectroscópica multivariada do potencial antioxidante de vinhos. <i>Quimica Nova</i> , <b>2011</b> , 34, 397-403	1.6	4
59	Multivariate spectroscopic determination of the lamivudine-zidovudine association. <i>Journal of the Brazilian Chemical Society</i> , <b>2011</b> , 22, 337-343	1.5	3
58	Determination of simple sugars, malic acid and total phenolic compounds in apple pomace by infrared spectroscopy and PLSR. <i>International Journal of Food Science and Technology</i> , <b>2010</b> , 45, 602-609 <sup>3.8</sup>	3.8	25
57	Degradação de corantes reativos por processo foto-fenton envolvendo o uso de peneira molecular 4A modificada com Fe <sup>3+</sup> . <i>Quimica Nova</i> , <b>2010</b> , 33, 1640-1645	1.6	7
56	Degradação fotocatalítica de sulfametoxazol, trimetoprima e diclofenaco em solução aquosa. <i>Quimica Nova</i> , <b>2010</b> , 33, 1270-1274	1.6	6
55	Photoelectrochemical or electrophotochemical processes?. <i>Journal of the Brazilian Chemical Society</i> , <b>2010</b> , 21, 1621-1625	1.5	5
54	Tratamento de banhos de tingimento têxtil por processos foto-Fenton e avaliação da potencialidade de reuso. <i>Quimica Nova</i> , <b>2010</b> , 33, 1039-1043	1.6	9
53	Determinação de sibutramina em formas farmacêuticas através de espectroscopia no infravermelho com refletância difusa e métodos de calibração multivariada. <i>Quimica Nova</i> , <b>2010</b> , 33, 649-652	1.6	4
52	Application of the principal component analysis method in the biodegradation polyurethanes evaluation. <i>Materials Science and Engineering C</i> , <b>2009</b> , 29, 470-473	8.3	11
51	Degradação de benzeno, tolueno e xilenos em águas contaminadas por gasolina, utilizando-se processos foto-Fenton. <i>Quimica Nova</i> , <b>2009</b> , 32, 2058-2063	1.6	5
50	Degradação de espécies nitroaromáticas e remediação de efluentes da indústria de explosivos, utilizando-se processos redutivos-oxidativos fundamentados no uso de ferro metálico. <i>Quimica Nova</i> , <b>2009</b> , 32, 1504-1508	1.6	6
49	Previsão das propriedades físicas do papel kraft por espectroscopia no infravermelho próximo (NIR) e regressão por mínimos quadrados parciais (PLS). <i>Quimica Nova</i> , <b>2009</b> , 32, 1422-1425	1.6	3
48	Caracterização físico-química de queijo prato por espectroscopia no infravermelho e regressão de mínimos quadrados parciais. <i>Quimica Nova</i> , <b>2008</b> , 31, 1621-1625	1.6	4
47	Imobilização de ferro (II) em matriz de alginato e sua utilização na degradação de corantes têxteis por processos Fenton. <i>Quimica Nova</i> , <b>2008</b> , 31, 1145-1149	1.6	11
46	Avaliação do potencial de processos oxidativos avançados para remediação de águas contaminadas com geosmina e 2-MIB. <i>Quimica Nova</i> , <b>2008</b> , 31, 75-78	1.6	6

45	Multifactorial optimization approach for the determination of polycyclic aromatic hydrocarbons in river sediments by gas chromatography-quadrupole ion trap selected ion storage mass spectrometry. <i>Journal of Chromatography A</i> , <b>2008</b> , 1192, 273-81	4.5	14
44	Determina�o espectrosc�pica multivariada de glucosamina e condroitina em formula�es farmac�uticas. <i>Quimica Nova</i> , <b>2008</b> , 31, 1285-1289	1.6	2
43	Reutiliza�o de efluente de tingimentos de fibras acr�licas p�s-tratamento fotoeletroqu�mico. <i>Quimica Nova</i> , <b>2008</b> , 31, 1362-1366	1.6	3
42	Avalia�o da qualidade do corpo h�drico do rio Tibagi na regi�o de Ponta Grossa utilizando an�lise de componentes principais (PCA). <i>Quimica Nova</i> , <b>2008</b> , 31, 1727-1732	1.6	12
41	Photochemically-assisted electrochemical degradation of landfill leachate. <i>Chemosphere</i> , <b>2006</b> , 64, 1458-63	1.6	44
40	Multivariate calibrations for the SR-TXRF determination of trace concentrations of lead and arsenic in the presence of bromine. <i>X-Ray Spectrometry</i> , <b>2006</b> , 35, 79-84	0.9	16
39	Degradation of aqueous solutions of camphor by heterogeneous photocatalysis. <i>Journal of Hazardous Materials</i> , <b>2006</b> , 129, 110-5	12.8	17
38	Treatment of gasoline-contaminated waters by advanced oxidation processes. <i>Journal of Hazardous Materials</i> , <b>2005</b> , 126, 86-90	12.8	72
37	Utiliza�o de regress�o multivariada para avalia�o espectrofotom�trica da demanda qu�mica de oxig�nio em amostras de relev�ncia ambiental. <i>Quimica Nova</i> , <b>2005</b> , 28, 838-841	1.6	6
36	Degrada�o de BTXs via processos oxidativos avan�ados. <i>Quimica Nova</i> , <b>2005</b> , 28, 61-64	1.6	19
35	Degrada�o de corantes reativos pelo sistema ferro met�lico/per�dido de hidrog�nio. <i>Quimica Nova</i> , <b>2005</b> , 28, 226-228	1.6	14
34	Contamina�o de �guas por BTXs e processos utilizados na remedia�o de s�rios contaminados. <i>Quimica Nova</i> , <b>2004</b> , 27, 441-446	1.6	30
33	Remediation of phenol, lignin and paper effluents by advanced oxidative processes. <i>Environmental Technology (United Kingdom)</i> , <b>2004</b> , 25, 1331-9	2.6	11
32	Multivariate monitoring of soybean oil ethanolysis by FTIR. <i>Talanta</i> , <b>2004</b> , 63, 1021-5	6.2	104
31	Avalia�o de processos fotoeletroqu�micos no tratamento de l�quidos lixiviados de aterros sanit�rios. <i>Engenharia Sanitaria E Ambiental</i> , <b>2004</b> , 9, 197-201	0.4	
30	Decolorization of reactive dyes by immobilized laccase. <i>Applied Catalysis B: Environmental</i> , <b>2003</b> , 42, 131-144	1.6	154
29	Study of metalloporphyrin covalently bound to silica as catalyst in the ortho-dianisidine oxidation. <i>Applied Catalysis A: General</i> , <b>2003</b> , 250, 1-11	5.1	61
28	Immobilization of iron porphyrins into porous vycor glass: characterization and study of catalytic activity. <i>Journal of Molecular Catalysis A</i> , <b>2002</b> , 185, 203-210		42

27	Novas tendências no tratamento de efluentes têxteis. <i>Quimica Nova</i> , <b>2002</b> , 25, 78-82	1.6	127
26	Hydrogen peroxide assisted photochemical degradation of ethylenediaminetetraacetic acid. <i>Journal of Environmental Management</i> , <b>2002</b> , 7, 197-202		27
25	Spectrophotometric determination of phenol in the presence of congeners by multivariate calibration. <i>Anais Da Academia Brasileira De Ciencias</i> , <b>2001</b> , 73, 519-524	1.4	8
24	Métodos matemáticos para correção de interferências espectrais e efeitos interelementos na análise quantitativa por fluorescência de raios-X. <i>Quimica Nova</i> , <b>2001</b> , 24, 531-539	1.6	12
23	Novas tendências para o tratamento de resíduos industriais contendo espécies organocloradas. <i>Quimica Nova</i> , <b>2000</b> , 23, 504-511	1.6	42
22	Semiconductor-assisted photodegradation of lignin, dye, and kraft effluent by Ag-doped ZnO. <i>Chemosphere</i> , <b>2000</b> , 40, 427-32	8.4	140
21	Semiconductor-assisted photocatalytic degradation of reactive dyes in aqueous solution. <i>Chemosphere</i> , <b>2000</b> , 40, 433-40	8.4	411
20	Extraction Properties of Modified Silica Gel for Metal Analysis by Energy Dispersive X-Ray Fluorescence. <i>Analytical Letters</i> , <b>2000</b> , 33, 2005-2020	2.2	6
19	Electrochemically assisted photocatalytic degradation of reactive dyes. <i>Applied Catalysis B: Environmental</i> , <b>1999</b> , 22, 83-90	21.8	184
18	Preparation and Characterization of a Kaolinite-1-methyl-2-Pyrrolidone Intercalation Compound. <i>Journal of Colloid and Interface Science</i> , <b>1999</b> , 211, 137-141	9.3	36
17	Anomalies in the spectrophotometric and extractive behaviour of zirconium and hafnium: evidence of a synergistic effect. <i>Talanta</i> , <b>1999</b> , 49, 937-41	6.2	7
16	Degradation of reactive dyes I. A comparative study of ozonation, enzymatic and photochemical processes. <i>Chemosphere</i> , <b>1999</b> , 38, 835-52	8.4	107
15	Optimization of Metal Extraction Conditions by Modified Silicas Using a Factorial Design.. <i>Analytical Sciences</i> , <b>1999</b> , 15, 761-766	1.7	2
14	Adsorption Parameters of Cd(II), Pb(II), and Hg(II) on Zirconium(IV) Phosphate Chemically Grafted onto Silica Gel Surface. <i>Journal of Colloid and Interface Science</i> , <b>1998</b> , 200, 121-125	9.3	31
13	Covalent Grafting of Phenylphosphonate Groups onto the Interlamellar Aluminol Surface of Kaolinite. <i>Journal of Colloid and Interface Science</i> , <b>1998</b> , 206, 281-287	9.3	51
12	Pre-concentration of rare earths using silica gel loaded with 1-(2-pyridylazo)-2-naphthol (PAN) and determination by energy dispersive X-ray fluorescence. <i>Talanta</i> , <b>1998</b> , 46, 1371-8	6.2	31
11	Spectrophotometric determination of organic dye mixtures by using multivariate calibration. <i>Talanta</i> , <b>1998</b> , 47, 77-84	6.2	29
10	Evaluation of ZnO, TiO <sub>2</sub> and supported ZnO on the photoassisted remediation of black liquor, cellulose and textile mill effluents. <i>Chemosphere</i> , <b>1998</b> , 36, 2119-2133	8.4	46

9	Decolorization of Pulp Mill Effluents with Immobilized Lignin and Manganese Peroxidase from Phanerochaete Chrysosporium. <i>Environmental Technology (United Kingdom)</i> , <b>1998</b> , 19, 521-528	2.6	21
8	Effluent Treatment of Pulp and Paper, and Textile Industries using Immobilised Horseradish Peroxidase. <i>Environmental Technology (United Kingdom)</i> , <b>1998</b> , 19, 55-63	2.6	43
7	Hidrólise enzimática de casca de arroz utilizando-se celulases: efeito de tratamentos químicos e fotoquímicos. <i>Quimica Nova</i> , <b>1998</b> , 21, 140	1.6	7
6	Removal of Organic Pollutants by Coprecipitation with Metallic Hydroxides and Photochemical Treatment. <i>Environmental Technology (United Kingdom)</i> , <b>1997</b> , 18, 461-466	2.6	5
5	Zirconium and hafnium determination by energy dispersive X-ray fluorescence with solid phase preconcentration. <i>Talanta</i> , <b>1997</b> , 44, 811-6	6.2	25
4	Chemometric alternatives for resolution of classical analytical problems Spectrophotometric determination of lanthanide mixtures. <i>Talanta</i> , <b>1997</b> , 44, 1815-22	6.2	9
3	Remediação de efluentes derivados da indústria de papel e celulose: tratamento biológico e fotocatalítico. <i>Quimica Nova</i> , <b>1997</b> , 20, 186-190	1.6	6
2	Alternativas quimiométricas para a resolução de problemas analíticos clássicos: determinação espectrofotométrica de misturas de zircônio e háfnio. <i>Quimica Nova</i> , <b>1997</b> , 20, 469-474	1.6	2
1	Heterogeneous photocatalysis treatment of Kraft and textile effluents using metallic and polymeric semiconductors (ZnO and polyaniline). <i>Polymer Bulletin</i> , <b>1996</b> , 37, 531-537	2.4	7