

Patricio Peralta-Zamora

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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	Semiconductor-assisted photocatalytic degradation of reactive dyes in aqueous solution. <i>Chemosphere</i> , 2000 , 40, 433-40	8.4	411
97	Electrochemically assisted photocatalytic degradation of reactive dyes. <i>Applied Catalysis B: Environmental</i> , 1999 , 22, 83-90	21.8	184
96	Decolorization of reactive dyes by immobilized laccase. <i>Applied Catalysis B: Environmental</i> , 2003 , 42, 131-144	14.9	154
95	Semiconductor-assisted photodegradation of lignin, dye, and kraft effluent by Ag-doped ZnO. <i>Chemosphere</i> , 2000 , 40, 427-32	8.4	140
94	Novas tendências no tratamento de efluentes têxteis. <i>Química Nova</i> , 2002 , 25, 78-82	1.6	127
93	Degradation of reactive dyes I. A comparative study of ozonation, enzymatic and photochemical processes. <i>Chemosphere</i> , 1999 , 38, 835-52	8.4	107
92	Multivariate monitoring of soybean oil ethanolsis by FTIR. <i>Talanta</i> , 2004 , 63, 1021-5	6.2	104
91	Treatment of gasoline-contaminated waters by advanced oxidation processes. <i>Journal of Hazardous Materials</i> , 2005 , 126, 86-90	12.8	72
90	Study of metalloporphyrin covalently bound to silica as catalyst in the ortho-dianisidine oxidation. <i>Applied Catalysis A: General</i> , 2003 , 250, 1-11	5.1	61
89	Covalent Grafting of Phenylphosphonate Groups onto the Interlamellar Aluminol Surface of Kaolinite. <i>Journal of Colloid and Interface Science</i> , 1998 , 206, 281-287	9.3	51
88	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> , 2015 , 60, 795-801	5.4	47
87	Evaluation of ZnO, TiO ₂ and supported ZnO on the photoassisted remediation of black liquor, cellulose and textile mill effluents. <i>Chemosphere</i> , 1998 , 36, 2119-2133	8.4	46
86	Photochemically-assisted electrochemical degradation of landfill leachate. <i>Chemosphere</i> , 2006 , 64, 1458-63	8.3	44
85	Effluent Treatment of Pulp and Paper, and Textile Industries using Immobilised Horseradish Peroxidase. <i>Environmental Technology (United Kingdom)</i> , 1998 , 19, 55-63	2.6	43
84	Immobilization of iron porphyrins into porous vycor glass: characterization and study of catalytic activity. <i>Journal of Molecular Catalysis A</i> , 2002 , 185, 203-210		42
83	Novas tendências para o tratamento de resíduos industriais contendo espécies organocloradas. <i>Química Nova</i> , 2000 , 23, 504-511	1.6	42
82	TiO ₂ supported on <i>Salvinia molesta</i> biochar for heterogeneous photocatalytic degradation of Acid Orange 7 dye. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 102879	6.8	37

81	Preparation and Characterization of a Kaolinite-1-methyl-2-Pyrrolidone Intercalation Compound. <i>Journal of Colloid and Interface Science</i> , 1999 , 211, 137-141	9.3	36
80	Antituberculosis drugs degradation by UV-based advanced oxidation processes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 353, 26-33	4.7	32
79	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> , 1998 , 200, 121-125	9.3	31
78	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> , 1998 , 46, 1371-8	6.2	31
77	Contaminação de águas por BTXs e processos utilizados na remediação de solos contaminados. <i>Quimica Nova</i> , 2004 , 27, 441-446	1.6	30
76	Spectrophotometric determination of organic dye mixtures by using multivariate calibration. <i>Talanta</i> , 1998 , 47, 77-84	6.2	29
75	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> , 2020 , 748, 141381	10.2	29
74	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> , 2011 , 23, 904-11	6.4	27
73	Hydrogen peroxide assisted photochemical degradation of ethylenediaminetetraacetic acid. <i>Journal of Environmental Management</i> , 2002 , 7, 197-202		27
72	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> , 2010 , 45, 602-609 ^{3.8}		25
71	Zirconium and hafnium determination by energy dispersive X-ray fluorescence with solid phase preconcentration. <i>Talanta</i> , 1997 , 44, 811-6	6.2	25
70	Simultaneous determination of atrazine and metabolites (DIA and DEA) in natural water by multivariate electronic spectroscopy. <i>Microchemical Journal</i> , 2014 , 117, 262-267	4.8	23
69	Kinetics of oxidation of ponceau 4R in aqueous solutions by Fenton and photo-Fenton processes. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2012 , 105, 293-306	1.6	22
68	Photocatalytic degradation of microcystin-LR in aqueous solutions. <i>Chemosphere</i> , 2013 , 90, 1552-7	8.4	21
67	Decolorization of Pulp Mill Effluents with Immobilized Lignin and Manganese Peroxidase from Phanerochaete Chrysosporium. <i>Environmental Technology (United Kingdom)</i> , 1998 , 19, 521-528	2.6	21
66	Degradation of an Azo Dye (Ponceau 4R) and Treatment of Wastewater from a Food Industry by Ozonation. <i>Ozone: Science and Engineering</i> , 2013 , 35, 295-301	2.4	20
65	Photoelectrocatalytic degradation of camphor on TiO ₂ /RuO ₂ electrodes. <i>Environmental Chemistry Letters</i> , 2011 , 9, 97-102	13.3	19
64	Degradação de BTXs via processos oxidativos avançados. <i>Quimica Nova</i> , 2005 , 28, 61-64	1.6	19

63	Degradation of aqueous solutions of camphor by heterogeneous photocatalysis. <i>Journal of Hazardous Materials</i> , 2006 , 129, 110-5	12.8	17
62	Multivariate calibrations for the SR-TXRF determination of trace concentrations of lead and arsenic in the presence of bromine. <i>X-Ray Spectrometry</i> , 2006 , 35, 79-84	0.9	16
61	Multivariate optimization of mercury determination by flow injection-cold vapor generation-inductively coupled plasma optical emission spectrometry. <i>Analyst, The</i> , 2012 , 137, 4458-63	5	15
60	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> , 2014 , 35, 55-60	4.1	14
59	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> , 2013 , 51, 848-854	7	14
58	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> , 2008 , 1192, 273-81	4.5	14
57	Degradação de corantes reativos pelo sistema ferro metálico/peróxido de hidrogênio. <i>Quimica Nova</i> , 2005 , 28, 226-228	1.6	14
56	Multivariate optimisation of TiO ₂ /carbon nanocomposites for photocatalytic degradation of a reactive textile dye. <i>Materials Research Bulletin</i> , 2013 , 48, 581-586	5.1	13
55	Métodos matemáticos para correção de interferências espectrais e efeitos interelementos na análise quantitativa por fluorescência de raios-X. <i>Quimica Nova</i> , 2001 , 24, 531-539	1.6	12
54	Avaliação da qualidade do corpo hídrico do rio Tibagi na região de Ponta Grossa utilizando análise de componentes principais (PCA). <i>Quimica Nova</i> , 2008 , 31, 1727-1732	1.6	12
53	Determination of Biodiesel Content in Diesel Fuel by Time-Domain Nuclear Magnetic Resonance (TD-NMR) Spectroscopy. <i>Energy & Fuels</i> , 2017 , 31, 5120-5125	4.1	11
52	Unraveling the sigmoidal profiles in Fenton catalysis: Toward mechanistic elucidation. <i>Journal of Catalysis</i> , 2018 , 361, 214-221	7.3	11
51	Application of the principal component analysis method in the biodegradation polyurethanes evaluation. <i>Materials Science and Engineering C</i> , 2009 , 29, 470-473	8.3	11
50	Imobilização de ferro (II) em matriz de alginato e sua utilização na degradação de corantes têxteis por processos Fenton. <i>Quimica Nova</i> , 2008 , 31, 1145-1149	1.6	11
49	Remediation of phenol, lignin and paper effluents by advanced oxidative processes. <i>Environmental Technology (United Kingdom)</i> , 2004 , 25, 1331-9	2.6	11
48	Evaluation of the Fenton process effectiveness in the remediation of soils contaminated by gasoline: Effect of soil physicochemical properties. <i>Chemosphere</i> , 2018 , 207, 154-161	8.4	11
47	Visible-light reduced silver nanoparticles toxicity in <i>Allium cepa</i> test system. <i>Environmental Pollution</i> , 2020 , 257, 113551	9.3	10
46	Fabrication of ZnO-Zn ₂ TiO ₄ nanocomposite from zinc hydroxide nitrate and its photocatalytic efficiency. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 353, 46-52	4.7	10

45	TiO ₂ and ZnO mediated photocatalytic degradation of E2 and EE2 estrogens. <i>Photochemical and Photobiological Sciences</i> , 2013 , 12, 678-83	4.2	9
44	Tratamento de banhos de tingimento têxtil por processos foto-Fenton e avaliação da potencialidade de reuso. <i>Quimica Nova</i> , 2010 , 33, 1039-1043	1.6	9
43	Chemometric alternatives for resolution of classical analytical problems Spectrophotometric determination of lanthanide mixtures. <i>Talanta</i> , 1997 , 44, 1815-22	6.2	9
42	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> , 2018 , 56, 564-573	1.4	8
41	Spectrophotometric determination of phenol in the presence of congeners by multivariate calibration. <i>Anais Da Academia Brasileira De Ciencias</i> , 2001 , 73, 519-524	1.4	8
40	Behavior of Atrazine and Its Degradation Products Deethylatrazine and Deisopropylatrazine in Oxisol Samples. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	8
39	Sorption and Preconcentration of the Herbicides Atrazine, Simazine, and Ametryne on Montmorillonite. <i>Analytical Letters</i> , 2013 , 46, 439-451	2.2	7
38	Degradação de corantes têxteis e remediação de resíduos de tingimento por processos Fenton, foto-Fenton e eletro-Fenton. <i>Quimica Nova</i> , 2012 , 35, 932-938	1.6	7
37	Degradação de corantes reativos por processo foto-fenton envolvendo o uso de peneira molecular 4A modificada com Fe ³⁺ . <i>Quimica Nova</i> , 2010 , 33, 1640-1645	1.6	7
36	Hidrólise enzimática de casca de arroz utilizando-se celulases: efeito de tratamentos químicos e fotoquímicos. <i>Quimica Nova</i> , 1998 , 21, 140	1.6	7
35	Anomalies in the spectrophotometric and extractive behaviour of zirconium and hafnium: evidence of a synergistic effect. <i>Talanta</i> , 1999 , 49, 937-41	6.2	7
34	Heterogeneous photocatalysis treatment of Kraft and textile effluents using metallic and polymeric semiconductors (ZnO and polyaniline). <i>Polymer Bulletin</i> , 1996 , 37, 531-537	2.4	7
33	Degradação de poluentes emergentes por processos Fenton e foto-Fenton. <i>Quimica Nova</i> , 2012 , 35, 1381-1387	1.6	6
32	Degradação fotocatalítica de sulfametoxazol, trimetoprima e diclofenaco em solução aquosa. <i>Quimica Nova</i> , 2010 , 33, 1270-1274	1.6	6
31	Avaliação do potencial de processos oxidativos avançados para remediação de águas contaminadas com geosmina e 2-MIB. <i>Quimica Nova</i> , 2008 , 31, 75-78	1.6	6
30	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> , 2009 , 32, 1504-1508	1.6	6
29	Utilização de regressão multivariada para avaliação espectrofotométrica da demanda química de oxigênio em amostras de relevância ambiental. <i>Quimica Nova</i> , 2005 , 28, 838-841	1.6	6
28	Extraction Properties of Modified Silica Gel for Metal Analysis by Energy Dispersive X-Ray Fluorescence. <i>Analytical Letters</i> , 2000 , 33, 2005-2020	2.2	6

27	Remediaçã de efluentes derivados da indústri de papel e celulose: tratamento biolóico e fotocatalítico. <i>Quimica Nova</i> , 1997 , 20, 186-190	1.6	6
26	Experimental design as a tool for studying trihalomethanes formation parameters during water chlorination. <i>Microchemical Journal</i> , 2015 , 123, 252-258	4.8	5
25	Investigations on iron leaching from oxides and its relevance for radical generation during Fenton-like catalysis. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	5
24	Photoelectrochemical or electrophotochemical processes?. <i>Journal of the Brazilian Chemical Society</i> , 2010 , 21, 1621-1625	1.5	5
23	Removal of Organic Pollutants by Coprecipitation with Metallic Hydroxides and Photochemical Treatment. <i>Environmental Technology (United Kingdom)</i> , 1997 , 18, 461-466	2.6	5
22	Degradaçã de benzeno, tolueno e xilenos em águas contaminadas por gasolina, utilizando-se processos foto-Fenton. <i>Quimica Nova</i> , 2009 , 32, 2058-2063	1.6	5
21	Multivariate calibration and moisture control in yerba mate by near infrared spectroscopy. <i>Acta Scientiarum - Technology</i> , 2014 , 36, 369	0.5	4
20	Photocatalytic degradation of camphor by suspended and immobilized photocatalysts. <i>Journal of the Brazilian Chemical Society</i> , 2012 , 23, 1563-1569	1.5	4
19	Determinaçã de sibutramina em formas farmacéuticas atravš de espectroscopia no infravermelho com refletãcia difusa e métodos de calibraçã multivariada. <i>Quimica Nova</i> , 2010 , 33, 649-652	1.6	4
18	Caracterizaçã físico-química de queijo prato por espectroscopia no infravermelho e regressã de mínimos quadrados parciais. <i>Quimica Nova</i> , 2008 , 31, 1621-1625	1.6	4
17	Caracterizaçã espectroscópica multivariada do potencial antioxidante de vinhos. <i>Quimica Nova</i> , 2011 , 34, 397-403	1.6	4
16	Suspended and Immobilized TiO ₂ Photocatalytic Degradation of Estrogens: Potential for Application in Wastewater Treatment Processes. <i>Journal of the Brazilian Chemical Society</i> , 2017 ,	1.5	3
15	Reutilizaçã de efluente de tingimentos de fibras acrílicas pós-tratamento fotoeletroquímico. <i>Quimica Nova</i> , 2008 , 31, 1362-1366	1.6	3
14	Previsã das propriedades físicas do papel kraft por espectroscopia no infravermelho próximo (NIR) e regressã por mínimos quadrados parciais (PLS). <i>Quimica Nova</i> , 2009 , 32, 1422-1425	1.6	3
13	Consideraçães sobre o preparo de amostras contendo micropoluentes estrogênicos. <i>Quimica Nova</i> , 2012 , 35, 1213-1215	1.6	3
12	Multivariate spectroscopic determination of the lamivudine-zidovudine association. <i>Journal of the Brazilian Chemical Society</i> , 2011 , 22, 337-343	1.5	3
11	Extraction Method for the Determination of Atrazine, Deethylatrazine, and Deisopropylatrazine in Agricultural Soil Using Factorial Design. <i>Journal of the Brazilian Chemical Society</i> , 2013 ,	1.5	2
10	Optimization of Metal Extraction Conditions by Modified Silicas Using a Factorial Design.. <i>Analytical Sciences</i> , 1999 , 15, 761-766	1.7	2

9	Alternativas quimiométricas para a resolução de problemas analíticos clássicos: determinação espectrofotométrica de misturas de zircônio e hânio. <i>Quimica Nova</i> , 1997 , 20, 469-474	1.6	2
8	Determinação espectroscópica multivariada de glucosamina e condroitina em formulações farmacêuticas. <i>Quimica Nova</i> , 2008 , 31, 1285-1289	1.6	2
7	Non-Synergistic UV-A Photocatalytic Degradation of Estrogens by Nano-TiO ₂ Supported on Activated Carbon. <i>Journal of the Brazilian Chemical Society</i> , 2016 ,	1.5	2
6	Understanding the nature of Fenton processes in soil matrices: The role of iron forms and organic matter. <i>Science of the Total Environment</i> , 2021 , 796, 148804	10.2	2
5	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> , 2018 , 98, 3084-3088	4.3	1
4	Simultaneous spectrophotometric determination of pyrantel pamoate and febantel in pharmaceutical preparations using partial least-squares regression. <i>Journal of Analytical Chemistry</i> , 2014 , 69, 948-952	1.1	0
3	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> , 2022 , 1	5.1	0
2	New insight into monitoring degradation products during the TiO ₂ -photocatalysis process by multivariate molecular spectroscopy. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 6040-6046 ^{5.1}		
1	Avaliação de processos fotoeletroquímicos no tratamento de líquidos lixiviados de aterros sanitários. <i>Engenharia Sanitaria E Ambiental</i> , 2004 , 9, 197-201	0.4	