

Patricio Peralta-Zamora

List of Publications by Year in descending order

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109
papers

3,233
citations

201385

27
h-index

168136

53
g-index

109
all docs

109
docs citations

109
times ranked

4320
citing authors

#	ARTICLE	IF	CITATIONS
1	Semiconductor-assisted photocatalytic degradation of reactive dyes in aqueous solution. <i>Chemosphere</i> , 2000, 40, 433-440.	4.2	464
2	Electrochemically assisted photocatalytic degradation of reactive dyes. <i>Applied Catalysis B: Environmental</i> , 1999, 22, 83-90.	10.8	220
3	Novas tendências no tratamento de efluentes têxteis. <i>Química Nova</i> , 2002, 25, 78-82.	0.3	198
4	Decolorization of reactive dyes by immobilized laccase. <i>Applied Catalysis B: Environmental</i> , 2003, 42, 131-144.	10.8	175
5	Semiconductor-assisted photodegradation of lignin, dye, and kraft effluent by Ag-doped ZnO. <i>Chemosphere</i> , 2000, 40, 427-432.	4.2	155
6	Degradation of reactive dyes I. A comparative study of ozonation, enzymatic and photochemical processes. <i>Chemosphere</i> , 1999, 38, 835-852.	4.2	131
7	Multivariate monitoring of soybean oil ethanolysis by FTIR. <i>Talanta</i> , 2004, 63, 1021-1025.	2.9	122
8	Treatment of gasoline-contaminated waters by advanced oxidation processes. <i>Journal of Hazardous Materials</i> , 2005, 126, 86-90.	6.5	78
9	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.	3.3	69
10	Study of metalloporphyrin covalently bound to silica as catalyst in the ortho-dianisidine oxidation. <i>Applied Catalysis A: General</i> , 2003, 250, 1-11.	2.2	65
11	Novas tendências para o tratamento de resíduos industriais contendo espécies organocloradas. <i>Química Nova</i> , 2000, 23, 504-511.	0.3	64
12	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.	4.2	63
13	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.	2.5	62
14	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.	3.9	62
15	Covalent Grafting of Phenylphosphonate Groups onto the Interlamellar Aluminol Surface of Kaolinite. <i>Journal of Colloid and Interface Science</i> , 1998, 206, 281-287.	5.0	58
16	Photochemically-assisted electrochemical degradation of landfill leachate. <i>Chemosphere</i> , 2006, 64, 1458-1463.	4.2	52
17	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.	4.8	48
18	Effluent Treatment of Pulp and Paper, and Textile Industries using Immobilised Horseradish Peroxidase. <i>Environmental Technology (United Kingdom)</i> , 1998, 19, 55-63.	1.2	46

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19	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.	5.0	42
20	Contaminação de Águas por BTXs e processos utilizados na remediação de solos contaminados. <i>Química Nova</i> , 2004, 27, 441-446.	0.3	41
21	Preparation and Characterization of a Kaolinite-1-methyl-2-Pyrrolidone Intercalation Compound. <i>Journal of Colloid and Interface Science</i> , 1999, 211, 137-141.	5.0	40
22	Antituberculosis drugs degradation by UV-based advanced oxidation processes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 353, 26-33.	2.0	39
23	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, 1371-1378.	2.9	34
24	Hydrogen peroxide assisted photochemical degradation of ethylenediaminetetraacetic acid. <i>Journal of Environmental Management</i> , 2002, 7, 197-202.	1.7	33
25	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, 904-911.	3.2	32
26	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.	1.3	31
27	Spectrophotometric determination of organic dye mixtures by using multivariate calibration. <i>Talanta</i> , 1998, 47, 77-84.	2.9	30
28	Zirconium and hafnium determination by energy dispersive X-ray fluorescence with solid phase preconcentration. <i>Talanta</i> , 1997, 44, 811-816.	2.9	27
29	Simultaneous determination of atrazine and metabolites (DIA and DEA) in natural water by multivariate electronic spectroscopy. <i>Microchemical Journal</i> , 2014, 117, 262-267.	2.3	25
30	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.	0.8	23
31	Photocatalytic degradation of microcystin-LR in aqueous solutions. <i>Chemosphere</i> , 2013, 90, 1552-1557.	4.2	23
32	Degradação de BTXs via processos oxidativos avançados. <i>Química Nova</i> , 2005, 28, 61-64.	0.3	23
33	Decolorization of Pulp Mill Effluents with Immobilized Lignin and Manganese Peroxidase from <i>Phanerochaete Chrysosporium</i> . <i>Environmental Technology (United Kingdom)</i> , 1998, 19, 521-528.	1.2	22
34	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.	1.4	22
35	Visible-light reduced silver nanoparticles' toxicity in <i>Allium cepa</i> test system. <i>Environmental Pollution</i> , 2020, 257, 113551.	3.7	22
36	Photoelectrocatalytic degradation of camphor on TiO ₂ /RuO ₂ electrodes. <i>Environmental Chemistry Letters</i> , 2011, 9, 97-102.	8.3	21

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37	Degradation of aqueous solutions of camphor by heterogeneous photocatalysis. <i>Journal of Hazardous Materials</i> , 2006, 129, 110-115.	6.5	20
38	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.	1.9	20
39	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.	2.9	19
40	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.	4.2	19
41	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	18
42	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.	2.0	18
43	Degradação de corantes reativos pelo sistema ferro metálico/peróxido de hidrogênio. <i>Quimica Nova</i> , 2005, 28, 226-228.	0.3	18
44	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.	0.3	17
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> , 2008, 1192, 273-281.	1.8	17
46	Unraveling the sigmoidal profiles in Fenton catalysis: Toward mechanistic elucidation. <i>Journal of Catalysis</i> , 2018, 361, 214-221.	3.1	17
47	Multivariate optimization of mercury determination by flow injection-cold vapor generation-inductively coupled plasma optical emission spectrometry. <i>Analyst</i> , The, 2012, 137, 4458.	1.7	16
48	Determination of Biodiesel Content in Diesel Fuel by Time-Domain Nuclear Magnetic Resonance (TD-NMR) Spectroscopy. <i>Energy & Fuels</i> , 2017, 31, 5120-5125.	2.5	15
49	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.	0.3	15
50	TiO ₂ and ZnO mediated photocatalytic degradation of E2 and EE2 estrogens. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 678-683.	1.6	14
51	Hidrólise enzimática de casca de arroz utilizando-se celulases: efeito de tratamentos químicos e fotoquímicos. <i>Quimica Nova</i> , 1998, 21, 140.	0.3	13
52	Remediation of Phenol, Lignin and Paper Effluents by Advanced Oxidative Processes. <i>Environmental Technology (United Kingdom)</i> , 2004, 25, 1331-1339.	1.2	13
53	Multivariate optimisation of TiO ₂ /carbon nanocomposites for photocatalytic degradation of a reactive textile dye. <i>Materials Research Bulletin</i> , 2013, 48, 581-586.	2.7	13
54	Application of the principal component analysis method in the biodegradation polyurethanes evaluation. <i>Materials Science and Engineering C</i> , 2009, 29, 470-473.	3.8	12

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55	Imobiliza��o de ferro (II) em matriz de alginato e sua utiliza��o na degrada��o de corantes t�xteis por processos Fenton. <i>Quimica Nova</i> , 2008, 31, 1145-1149.	0.3	11
56	Tratamento de banhos de tingimento t�xtil por processos foto-Fenton e avalia��o da potencialidade de reuso. <i>Quimica Nova</i> , 2010, 33, 1039-1043.	0.3	10
57	Degrada��o de corantes t�xteis e remedia��o de res�duos de tingimento por processos Fenton, foto-Fenton e eletro-Fenton. <i>Quimica Nova</i> , 2012, 35, 932-938.	0.3	10
58	Chemometric alternatives for resolution of classical analytical problems Spectrophotometric determination of lanthanide mixtures. <i>Talanta</i> , 1997, 44, 1815-1822.	2.9	9
59	Spectrophotometric determination of phenol in the presence of congeners by multivariate calibration. <i>Anais Da Academia Brasileira De Ciencias</i> , 2001, 73, 519-524.	0.3	9
60	Degrada��o de benzeno, tolueno e xilenos em �guas contaminadas por gasolina, utilizando-se processos foto-Fenton. <i>Quimica Nova</i> , 2009, 32, 2058-2063.	0.3	9
61	Degrada��o fotocatal�tica de sulfametoxazol, trimetoprima e diclofenaco em solu��o aquosa. <i>Quimica Nova</i> , 2010, 33, 1270-1274.	0.3	9
62	Behavior of Atrazine and Its Degradation Products Deethylatrazine and Deisopropylatrazine in Oxisol Samples. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	9
63	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.	0.7	9
64	Investigations on iron leaching from oxides and its relevance for radical generation during Fenton-like catalysis. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	9
65	Previs�o das propriedades f�sicas do papel kraft por espectroscopia no infravermelho pr�ximo (NIR) e regress�o por m�nimos quadrados parciais (PLS). <i>Quimica Nova</i> , 2009, 32, 1422-1425.	0.3	9
66	Heterogeneous photocatalysis treatment of Kraft and textile effluents using metallic and polymeric semiconductors (ZnO and polyaniline). <i>Polymer Bulletin</i> , 1996, 37, 531-537.	1.7	8
67	Anomalies in the spectrophotometric and extractive behaviour of zirconium and hafnium Evidence of a synergistic effect. <i>Talanta</i> , 1999, 49, 937-941.	2.9	8
68	Avalia��o do potencial de processos oxidativos avan�ados para remedia��o de �guas contaminadas com geosmina e 2-MIB. <i>Quimica Nova</i> , 2008, 31, 75-78.	0.3	8
69	Degrada��o 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.	0.3	8
70	Degrada��o de poluentes emergentes por processos Fenton e foto-Fenton. <i>Quimica Nova</i> , 2012, 35, 1381-1387.	0.3	8
71	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.	3.9	8
72	Sorption and Preconcentration of the Herbicides Atrazine, Simazine, and Ametryne on Montmorillonite. <i>Analytical Letters</i> , 2013, 46, 439-451.	1.0	7

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73	Remediação de efluentes derivados da indústria de papel e celulose: tratamento biológico e fotocatalítico. <i>Quimica Nova</i> , 1997, 20, 186-190.	0.3	7
74	Extraction Properties of Modified Silica Gel for Metal Analysis by Energy Dispersive X-Ray Fluorescence. <i>Analytical Letters</i> , 2000, 33, 2005-2020.	1.0	6
75	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.	0.3	6
76	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.	0.3	6
77	Photoelectrochemical or electrophotochemical processes?. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 1621-1625.	0.6	6
78	Determinação de sibutramina em formas farmacêuticas através de espectroscopia no infravermelho com refletância difusa e métodos de calibração multivariada. <i>Quimica Nova</i> , 2010, 33, 649-652.	0.3	6
79	Multivariate calibration and moisture control in yerba mate by near infrared spectroscopy. <i>Acta Scientiarum - Technology</i> , 2014, 36, 369.	0.4	6
80	Experimental design as a tool for studying trihalomethanes formation parameters during water chlorination. <i>Microchemical Journal</i> , 2015, 123, 252-258.	2.3	6
81	Removal of Organic Pollutants by Coprecipitation with Metallic Hydroxides and Photochemical Treatment. <i>Environmental Technology (United Kingdom)</i> , 1997, 18, 461-466.	1.2	5
82	Caracterização físico-química de queijo prato por espectroscopia no infravermelho e regressão de mínimos quadrados parciais. <i>Quimica Nova</i> , 2008, 31, 1621-1625.	0.3	5
83	Reutilização de efluente de tingimentos de fibras acrílicas pós-tratamento fotoeletroquímico. <i>Quimica Nova</i> , 2008, 31, 1362-1366.	0.3	5
84	Considerações sobre o preparo de amostras contendo micropoluentes estrogênicos. <i>Quimica Nova</i> , 2012, 35, 1213-1215.	0.3	5
85	Photocatalytic degradation of camphor by suspended and immobilized photocatalysts. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 1563-1569.	0.6	4
86	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, , .	0.6	4
87	Suspended and Immobilized TiO ₂ Photocatalytic Degradation of Estrogens: Potential for Application in Wastewater Treatment Processes. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	4
88	Alternativas químicas para a resolução de problemas analíticos clássicos: determinação espectrofotométrica de misturas de zircônio e hafnínio. <i>Quimica Nova</i> , 1997, 20, 469-474.	0.3	4
89	Caracterização espectroscópica multivariada do potencial antioxidante de vinhos. <i>Quimica Nova</i> , 2011, 34, 397-403.	0.3	4
90	Multivariate spectroscopic determination of the lamivudine-zidovudine association. <i>Journal of the Brazilian Chemical Society</i> , 2011, 22, 337-343.	0.6	4

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91	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, 29, 39102-39115.	2.7	4
92	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, , .	0.6	3
93	Optimization of Metal Extraction Conditions by Modified Silicas Using a Factorial Design.. <i>Analytical Sciences</i> , 1999, 15, 761-766.	0.8	2
94	Sensitive Estrogens Determination in Wastewater Samples by HPLC and Fluorescence Detection. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	2
95	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.	2.7	2
96	Determinação espectroscópica multivariada de glucosamina e condroitina em formulações farmacêuticas. <i>Quimica Nova</i> , 2008, 31, 1285-1289.	0.3	2
97	Simultaneous Determination of Rifampicin and Isoniazid in Urine and Pharmaceutical Formulations by Multivariate Visible Spectrophotometry. <i>Journal of the Brazilian Chemical Society</i> , 2013, , .	0.6	2
98	Determinação de misturas de sulfametoxazol e trimetoprima por espectroscopia eletrônica multivariada. <i>Quimica Nova</i> , 2008, 31, 254-260.	0.3	1
99	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.	0.4	1
100	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.	1.7	1
101	A POLIANILINA NO CENÁRIO AMBIENTAL: UMA ABORGAGEM SOBRE FOTOCATALISE HETEROGÊNEA. <i>Quimica Nova</i> , 0, , .	0.3	1
102	Synthesis, Characterization, and Synergic Photocatalytic Activity of Amorphous TiO ₂ /Chitosan Carbon Microspheres. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	1
103	PHOTOCATALYTIC DEGRADATION OF DYE OVER GRAPHENE-TiO ₂ NANOCOMPOSITE. <i>Quimica Nova</i> , 2016, , .	0.3	1
104	Avaliação de processos fotoeletroquímicos no tratamento de líquidos lixiviados de aterros sanitários. <i>Engenharia Sanitaria E Ambiental</i> , 2004, 9, 197-201.	0.1	1
105	ALTERNATIVE CALIBRATION SYSTEMS FOR THE SIMULTANEOUS SPECTROPHOTOMETRIC DETERMINATION OF COMPOUNDS WITH OVERLAPPING ABSORPTION SPECTRA. <i>Quimica Nova</i> , 2015, , .	0.3	1
106	Remediação de solos contaminados por processos Fenton: uma revisão crítica. <i>Quimica Nova</i> , 0, , .	0.3	1
107	Binary Solvent Dispersive Liquid-Liquid Microextraction for the Determination of Pesticides in Natural Water Samples. <i>Journal of the Brazilian Chemical Society</i> , 2018, , .	0.6	0
108	Advanced Oxidation Processes to the Remediation of Liquid Residue from the Thermal Treatment of Oily Sludge. <i>Journal of the Brazilian Chemical Society</i> , 2019, , .	0.6	0

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109	Avaliação do perfil de dissolução de medicamentos utilizando-se espectroscopia eletrônica multivariada. <i>Quimica Nova</i> , 2011, 34, 1575-1581.	0.3	0