

# Pier Parpot

## List of Publications by Year in descending order

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63  
papers

1,700  
citations

257357

24  
h-index

302012

39  
g-index

65  
all docs

65  
docs citations

65  
times ranked

2469  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomass conversion: attempted electrooxidation of lignin for vanillin production. <i>Journal of Applied Electrochemistry</i> , 2000, 30, 727-731.	1.5	118
2	Electrochemical investigations of the oxidation–reduction of furfural in aqueous medium. <i>Electrochimica Acta</i> , 2004, 49, 397-403.	2.6	113
3	Biodegradation of ochratoxin A by <i>Pediococcus parvulus</i> isolated from Douro wines. <i>International Journal of Food Microbiology</i> , 2014, 188, 45-52.	2.1	95
4	In situ microbial fuel cell-based biosensor for organic carbon. <i>Bioelectrochemistry</i> , 2011, 81, 99-103.	2.4	93
5	Potential of 5-fluorouracil encapsulated in zeolites as drug delivery systems for in vitro models of colorectal carcinoma. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 112, 237-244.	2.5	90
6	Decolorization of the phthalocyanine dye reactive blue 21 by turnip peroxidase and assessment of its oxidation products. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 77, 9-14.	1.8	76
7	Photocatalytic degradation of Rhodamine B dye by cotton textile coated with SiO <sub>2</sub> -TiO <sub>2</sub> and SiO <sub>2</sub> -TiO <sub>2</sub> -HY composites. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 346, 60-69.	2.0	74
8	Towards implementation of a benthic microbial fuel cell in lake Furnas (Azores): Phylogenetic affiliation and electrochemical activity of sediment bacteria. <i>Bioelectrochemistry</i> , 2010, 78, 67-71.	2.4	47
9	Electrocatalytic oxidation of monosaccharides on gold electrode in alkaline medium: Structure–reactivity relationship. <i>Journal of Electroanalytical Chemistry</i> , 2006, 596, 65-73.	1.9	45
10	Ultrasound enhances lipase-catalyzed synthesis of poly (ethylene glutarate). <i>Ultrasonics Sonochemistry</i> , 2016, 31, 506-511.	3.8	44
11	Mono and bimetallic NaY catalysts with high performance in nitrate reduction in water. <i>Chemical Engineering Journal</i> , 2015, 281, 411-417.	6.6	43
12	Influence of tetracycline on the microbial community composition and activity of nitrifying biofilms. <i>Chemosphere</i> , 2014, 117, 295-302.	4.2	41
13	Electrocatalytic oxidation of saccharose in alkaline medium. <i>Electrochimica Acta</i> , 1993, 38, 1679-1683.	2.6	40
14	Electrocatalytic oxidation of d-galactose in alkaline medium. <i>Journal of Electroanalytical Chemistry</i> , 2004, 566, 401-408.	1.9	39
15	Electro-oxidation of d-mannose on platinum, gold and nickel electrodes in aqueous medium. <i>Journal of Electroanalytical Chemistry</i> , 2007, 610, 154-162.	1.9	34
16	Photocatalytic performance of N-doped TiO <sub>2</sub> nano-SiO <sub>2</sub> -HY nanocomposites immobilized over cotton fabrics. <i>Journal of Materials Research and Technology</i> , 2019, 8, 1933-1943.	2.6	34
17	Impact of an external electron acceptor on phosphorus mobility between water and sediments. <i>Bioresource Technology</i> , 2014, 151, 419-423.	4.8	33
18	Visible Light Induced Enhanced Photocatalytic Degradation of Industrial Effluents (Rhodamine B) in Aqueous Media Using TiO <sub>2</sub> Nanoparticles. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-13.	1.5	33

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19	Electrochemical oxidation of aniline at mono and bimetallic electrocatalysts supported on carbon nanotubes. <i>Chemical Engineering Journal</i> , 2015, 260, 309-315.	6.6	32
20	Selective oxidation of D-gluconic acid on platinum and lead adatoms modified platinum electrodes in alkaline medium. <i>Electrochimica Acta</i> , 1993, 38, 1359-1365.	2.6	30
21	Immobilization of chromium complexes in zeolite Y obtained from biosorbents: Synthesis, characterization and catalytic behaviour. <i>Applied Catalysis B: Environmental</i> , 2010, 94, 1-7.	10.8	30
22	Effect of NaCl additive on properties of aqueous PEG-sodium sulfate two-phase system. <i>Journal of Chromatography A</i> , 2012, 1220, 14-20.	1.8	28
23	Highly efficient heterogeneous catalysts for phenol oxidation: Binuclear pyrrolyl-azine metal complexes encapsulated in NaY zeolite. <i>Microporous and Mesoporous Materials</i> , 2016, 227, 272-280.	2.2	27
24	TEMPO mediated oxidation of carbohydrates using electrochemical methods. <i>Cellulose</i> , 2010, 17, 815-824.	2.4	26
25	Electrocatalytic oxidation of sucrose: analysis of the reaction products. <i>Journal of Applied Electrochemistry</i> , 1997, 27, 25-33.	1.5	24
26	Redox properties of (1-(2-pyridylazo)-2-naphthol)copper(II) encapsulated in Y Zeolite. <i>Microporous and Mesoporous Materials</i> , 2009, 117, 297-303.	2.2	23
27	Host-guest chemistry of the (N,N'-diarylacetylamine)rhodium(III) complex in zeolite Y. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 6308.	1.3	23
28	Preparation and assessment of antimicrobial properties of bimetallic materials based on NaY zeolite. <i>RSC Advances</i> , 2015, 5, 37188-37195.	1.7	23
29	Comparison of different silica microporous structures as drug delivery systems for in vitro models of solid tumors. <i>RSC Advances</i> , 2017, 7, 13104-13111.	1.7	22
30	Microencapsulation of citronella oil for solar-activated controlled release as an insect repellent. <i>Applied Materials Today</i> , 2016, 5, 90-97.	2.3	21
31	Electrocatalytic oxidation of oxalic and oxamic acids in aqueous media at carbon nanotube modified electrodes. <i>Electrochimica Acta</i> , 2012, 60, 278-286.	2.6	17
32	Fe(III)-exchanged zeolites as efficient electrocatalysts for Fenton-like oxidation of dyes in aqueous phase. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107891.	3.3	17
33	A flat microbial fuel cell for decentralized wastewater valorization: process performance and optimization potential. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 1947-1956.	1.2	16
34	Micro- and Mesoporous Structures as Drug Delivery Carriers for Salicylic Acid. <i>Journal of Physical Chemistry C</i> , 2015, 119, 3589-3595.	1.5	16
35	Electrochemical oxidation of amoxicillin on carbon nanotubes and carbon nanotube supported metal modified electrodes. <i>Catalysis Today</i> , 2020, 357, 322-331.	2.2	15
36	Functionalization of Cotton by RGO/TiO <sub>2</sub> to Enhance Photodegradation of Rhodamine B Under Simulated Solar Irradiation. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	14

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37	Electrocatalytic oxidation of readily available disaccharides in alkaline medium at gold electrode. <i>Electrochimica Acta</i> , 2010, 55, 3157-3163.	2.6	13
38	The electrochemical mineralization of oxalic and oxamic acids using modified electrodes based on carbon nanotubes. <i>Chemical Engineering Journal</i> , 2013, 228, 374-380.	6.6	12
39	Assessment of Electron Transfer Mechanisms during a Long-Term Sediment Microbial Fuel Cell Operation. <i>Energies</i> , 2019, 12, 481.	1.6	12
40	Development of dextrin-amphotericin B formulations for the treatment of Leishmaniasis. <i>International Journal of Biological Macromolecules</i> , 2020, 153, 276-288.	3.6	12
41	Synthesis of New Tacrine Analogues from 4-aminopyrrole-2-carbonitrile. <i>Helvetica Chimica Acta</i> , 2010, 93, 242-248.	1.0	11
42	Production of formic acid from biomass-based compounds using a filter press type electrolyzer. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 1237-1244.	3.3	11
43	Removal of tetracycline from contaminated water by <i>Moringa oleifera</i> seed preparations. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 744-751.	1.2	11
44	Oxidation of Volatile Organic Compounds by Highly Efficient Metal Zeolite Catalysts. <i>ChemCatChem</i> , 2018, 10, 3754-3760.	1.8	11
45	Hemostatic Dressings Made of Oxidized Bacterial Nanocellulose Membranes. <i>Polysaccharides</i> , 2021, 2, 80-99.	2.1	11
46	Electrochemical and Catalytic Studies of a Manganese(III) Complex with a Tetradentate Schiff Base Ligand Encapsulated in NaY Zeolite. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2768-2776.	1.0	10
47	Albumin/asparaginase capsules prepared by ultrasound to retain ammonia. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 9499-9508.	1.7	10
48	Norbornene Oxidation by Chiral Complexes Encapsulated in NaY Zeolite. <i>Journal of Physical Chemistry C</i> , 2014, 118, 19042-19050.	1.5	8
49	Antioxidant and antigenotoxic activities of Ginkgo biloba L. leaf extract are retained after in vitro gastrointestinal digestive conditions. <i>European Journal of Nutrition</i> , 2020, 59, 465-476.	1.8	8
50	Fenton-Type Bimetallic Catalysts for Degradation of Dyes in Aqueous Solutions. <i>Catalysts</i> , 2021, 11, 32.	1.6	8
51	Electro-oxidation of d-xylose on platinum and gold electrodes in alkaline medium. <i>Electrochimica Acta</i> , 2004, 49, 1535-1545.	2.6	7
52	Release of Volatile Compounds from Polymeric Microcapsules Mediated by Photocatalytic Nanoparticles. <i>International Journal of Photoenergy</i> , 2013, 2013, 1-9.	1.4	7
53	Study of the Electroreactivity of Amoxicillin on Carbon Nanotube-Supported Metal Electrodes. <i>ChemCatChem</i> , 2018, 10, 4900-4909.	1.8	7
54	Electrochemical oxidation of diclofenac on CNT and M/CNT modified electrodes. <i>New Journal of Chemistry</i> , 2021, 45, 12622-12633.	1.4	7

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55	Selective electrocatalytic oxidation of sucrose on smooth and upd-lead modified platinum electrodes in alkaline medium. <i>Studies in Surface Science and Catalysis</i> , 1993, 78, 439-445.	1.5	5
56	Binuclear furanyl-azine metal complexes encapsulated in NaY zeolite as efficiently heterogeneous catalysts for phenol hydroxylation. <i>Journal of Molecular Structure</i> , 2020, 1206, 127687.	1.8	5
57	Oxidation of pollutants <i>via</i> an electro-Fenton-like process in aqueous media using iron-zeolite modified electrodes. <i>New Journal of Chemistry</i> , 2021, 45, 12750-12757.	1.4	5
58	Fixed-Bed Column Process as a Strategy for Separation and Purification of Cephamecin C from Fermented Broth. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 3018-3026.	1.8	3
59	BSA/ASN/Pol407 nanoparticles for acute lymphoblastic leukemia treatment. <i>Biochemical Engineering Journal</i> , 2019, 141, 80-88.	1.8	3
60	Alginate-amphotericin B nanocomplexes covered by nanocrystals from bacterial cellulose: physico-chemical characterization and in vitro toxicity. <i>Scientific Reports</i> , 2021, 11, 23944.	1.6	3
61	Photocatalytic thin films coupled with polymeric microcapsules for the controlled-release of volatile agents upon solar activation. <i>Journal of Physics: Conference Series</i> , 2013, 439, 012018.	0.3	2
62	Hyaluronic acid-amphotericin B nanocomplexes: a promising anti-leishmanial drug delivery system. <i>Biomaterials Science</i> , 2022, 10, 1952-1967.	2.6	1
63	3-[1-(4-Methylphenylsulfonyl)-1,4-dihydropyridin-4-yl]-1H-indole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o915-o915.	0.2	0