

# Marco Panizza

## List of Publications by Year in descending order

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101  
papers

12,685  
citations

43973

48  
h-index

32761

100  
g-index

105  
all docs

105  
docs citations

105  
times ranked

6690  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct And Mediated Anodic Oxidation of Organic Pollutants. <i>Chemical Reviews</i> , 2009, 109, 6541-6569.	23.0	1,897
2	Electrochemical advanced oxidation processes: today and tomorrow. A review. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8336-8367.	2.7	1,521
3	Application of diamond electrodes to electrochemical processes. <i>Electrochimica Acta</i> , 2005, 51, 191-199.	2.6	698
4	Electrochemical oxidation of organic pollutants for wastewater treatment. <i>Current Opinion in Electrochemistry</i> , 2018, 11, 62-71.	2.5	556
5	Electrochemical oxidation of phenol at boron-doped diamond electrode. <i>Electrochimica Acta</i> , 2001, 46, 3573-3578.	2.6	537
6	Anodic oxidation of 2-naphthol at boron-doped diamond electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2001, 507, 206-214.	1.9	436
7	Oxidation of 4-Chlorophenol at Boron-Doped Diamond Electrode for Wastewater Treatment. <i>Journal of the Electrochemical Society</i> , 2001, 148, D60.	1.3	396
8	Electro-Fenton degradation of synthetic dyes. <i>Water Research</i> , 2009, 43, 339-344.	5.3	317
9	Degradation of Alizarin Red by electro-Fenton process using a graphite-felt cathode. <i>Electrochimica Acta</i> , 2011, 56, 7084-7087.	2.6	288
10	Electrochemical oxidation of water on synthetic boron-doped diamond thin film anodes. <i>Journal of Applied Electrochemistry</i> , 2003, 33, 151-154.	1.5	269
11	Electrochemical treatment of wastewater containing polyaromatic organic pollutants. <i>Water Research</i> , 2000, 34, 2601-2605.	5.3	244
12	Electrochemical degradation of methylene blue. <i>Separation and Purification Technology</i> , 2007, 54, 382-387.	3.9	244
13	Electrochemical Oxidation as a Final Treatment of Synthetic Tannery Wastewater. <i>Environmental Science &amp; Technology</i> , 2004, 38, 5470-5475.	4.6	227
14	Complete removal of AHPS synthetic dye from water using new electro-fenton oxidation catalyzed by natural pyrite as heterogeneous catalyst. <i>Journal of Hazardous Materials</i> , 2015, 297, 34-41.	6.5	221
15	Removal of organic pollutants from industrial wastewater by electrogenerated Fenton's reagent. <i>Water Research</i> , 2001, 35, 3987-3992.	5.3	218
16	Electrochemical treatment of wastewaters containing organic pollutants on boron-doped diamond electrodes: Prediction of specific energy consumption and required electrode area. <i>Electrochemistry Communications</i> , 2001, 3, 336-339.	2.3	207
17	Electrocatalytic materials for the electrochemical oxidation of synthetic dyes. <i>Applied Catalysis B: Environmental</i> , 2007, 75, 95-101.	10.8	206
18	Electrochemical Oxidation of 4-Chlorophenol for Wastewater Treatment: Definition of Normalized Current Efficiency ( $\dot{\eta}$ ). <i>Journal of the Electrochemical Society</i> , 2001, 148, D78.	1.3	191

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19	Oxidation of organic pollutants on BDD anodes using modulated current electrolysis. <i>Electrochimica Acta</i> , 2008, 53, 2289-2295.	2.6	175
20	Influence of anode material on the electrochemical oxidation of 2-naphthol. <i>Electrochimica Acta</i> , 2003, 48, 3491-3497.	2.6	169
21	Comparative depollution of mecoprop aqueous solutions by electrochemical incineration using BDD and PbO <sub>2</sub> as high oxidation power anodes. <i>Journal of Electroanalytical Chemistry</i> , 2008, 613, 151-159.	1.9	160
22	Removal of colour and COD from wastewater containing acid blue 22 by electrochemical oxidation. <i>Journal of Hazardous Materials</i> , 2008, 153, 83-88.	6.5	148
23	Electrochemical Degradation of Methyl Red Using BDD and PbO <sub>2</sub> Anodes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 6816-6820.	1.8	140
24	Role of electrode materials for the anodic oxidation of a real landfill leachate – Comparison between Ti–Ru–Sn ternary oxide, PbO <sub>2</sub> and boron-doped diamond anode. <i>Chemosphere</i> , 2013, 90, 1455-1460.	4.2	139
25	Removal of Procion Red MX-5B dye from wastewater by conductive-diamond electrochemical oxidation. <i>Electrochimica Acta</i> , 2018, 263, 1-7.	2.6	124
26	Electrochemical oxidation of 3-methylpyridine at a boron-doped diamond electrode: application to electroorganic synthesis and wastewater treatment. <i>Electrochemistry Communications</i> , 2001, 3, 346-351.	2.3	123
27	Olive mill wastewater treatment by anodic oxidation with parallel plate electrodes. <i>Water Research</i> , 2006, 40, 1179-1184.	5.3	116
28	Applicability of diamond electrode/anode to the electrochemical treatment of a real textile effluent. <i>Journal of Electroanalytical Chemistry</i> , 2012, 674, 103-107.	1.9	116
29	Electrochemical degradation of anionic surfactants. <i>Journal of Applied Electrochemistry</i> , 2005, 35, 357-361.	1.5	109
30	Electrochemical generation of H <sub>2</sub> O <sub>2</sub> in low ionic strength media on gas diffusion cathode fed with air. <i>Electrochimica Acta</i> , 2008, 54, 876-878.	2.6	108
31	Electrochemical incineration of dyes using a boron-doped diamond anode. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 575-581.	1.6	99
32	Cold Incineration of Chlorophenols in Aqueous Solution by Advanced Electrochemical Process Electro-Fenton. Effect of Number and Position of Chlorine Atoms on the Degradation Kinetics. <i>Journal of Physical Chemistry A</i> , 2009, 113, 10988-10993.	1.1	99
33	Applicability of electrochemical methods to carwash wastewaters for reuse. Part 2: Electrocoagulation and anodic oxidation integrated process. <i>Journal of Electroanalytical Chemistry</i> , 2010, 638, 236-240.	1.9	98
34	Electrochemical oxidation of 2-naphthol with in situ electrogenerated active chlorine. <i>Electrochimica Acta</i> , 2003, 48, 1515-1519.	2.6	95
35	Complete mineralization of the antibiotic amoxicillin by electro-Fenton with a BDD anode. <i>Journal of Applied Electrochemistry</i> , 2014, 44, 1327-1335.	1.5	81
36	Applicability of electrochemical methods to carwash wastewaters for reuse. Part 1: Anodic oxidation with diamond and lead dioxide anodes. <i>Journal of Electroanalytical Chemistry</i> , 2010, 638, 28-32.	1.9	76

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37	Electrochemical degradation of gallic acid on a BDD anode. <i>Chemosphere</i> , 2009, 77, 1060-1064.	4.2	68
38	Comparative depollution of Methyl Orange aqueous solutions by electrochemical incineration using TiRuSnO <sub>2</sub> , BDD and PbO <sub>2</sub> as high oxidation power anodes. <i>Journal of Electroanalytical Chemistry</i> , 2016, 766, 94-99.	1.9	68
39	Electrochemical oxidation of a synthetic dye using a BDD anode with a solid polymer electrolyte. <i>Electrochemistry Communications</i> , 2017, 75, 21-24.	2.3	68
40	Electro-Fenton degradation of anti-inflammatory drug ibuprofen in hydroorganic medium. <i>Journal of Electroanalytical Chemistry</i> , 2013, 702, 31-36.	1.9	66
41	Electrochemical oxidation of Acid Yellow 1 using diamond anode. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 2285-2289.	1.5	65
42	Electrochemical process for the treatment of landfill leachate. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 1721-1727.	1.5	64
43	Applicability of electrochemical methods to paper mill wastewater for reuse. Anodic oxidation with BDD and TiRuSnO <sub>2</sub> anodes. <i>Journal of Electroanalytical Chemistry</i> , 2018, 815, 16-23.	1.9	61
44	Electrochemical and corrosion behaviour of cold rolled AISI 301 in 1 M H <sub>2</sub> SO <sub>4</sub> . <i>Journal of Alloys and Compounds</i> , 2001, 317-318, 607-611.	2.8	60
45	Effect of composition on the performance of cermet electrodes. Experimental and theoretical approach. <i>Electrochimica Acta</i> , 2002, 47, 1079-1089.	2.6	56
46	Kinetic behavior of anti-inflammatory drug ibuprofen in aqueous medium during its degradation by electrochemical advanced oxidation. <i>Environmental Science and Pollution Research</i> , 2013, 20, 2381-2389.	2.7	56
47	Anodic oxidation of mecoprop herbicide at lead dioxide. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 923-929.	1.5	55
48	Electrochemical degradation of sinapinic acid on a BDD anode. <i>Desalination</i> , 2011, 272, 148-153.	4.0	52
49	Breakdown of passivity of aluminium alloys by intermetallic phases in neutral chloride solution. <i>Intermetallics</i> , 2000, 8, 305-312.	1.8	50
50	Electro-Fenton degradation of anionic surfactants. <i>Separation and Purification Technology</i> , 2013, 118, 394-398.	3.9	50
51	Degradation of dye Procion Red MX-5B by electrolytic and electro-irradiated technologies using diamond electrodes. <i>Chemosphere</i> , 2018, 199, 445-452.	4.2	45
52	Biological and electrochemical oxidation of naphthalenesulfonates. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 225-232.	1.6	44
53	Electrochemical oxidation of urea in aqueous solutions using a boron-doped thin-film diamond electrode. <i>Diamond and Related Materials</i> , 2014, 44, 109-116.	1.8	43
54	Role of anode material on the electrochemical oxidation of methyl orange. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 3177-3183.	1.2	42

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55	Importance of Electrode Material in the Electrochemical Treatment of Wastewater Containing Organic Pollutants. , 2010, , 25-54.		41
56	Electro-Fenton, solar photoelectro-Fenton and UVA photoelectro-Fenton: Degradation of Erythrosine B dye solution. Chemosphere, 2021, 270, 129480.	4.2	38
57	Application of boron-doped diamond electrodes for electrochemical oxidation of real wastewaters. Current Opinion in Electrochemistry, 2021, 30, 100844.	2.5	38
58	Electrochemical oxidation of crystal violet using a BDD anode with a solid polymer electrolyte. Separation and Purification Technology, 2019, 208, 178-183.	3.9	37
59	Application of electro-Fenton process as alternative for degradation of Novacron Blue dye. Journal of Environmental Chemical Engineering, 2014, 2, 875-880.	3.3	36
60	Removal of the anti-inflammatory drug ibuprofen from water using homogeneous photocatalysis. Catalysis Today, 2014, 224, 29-33.	2.2	34
61	Analysis of the oxygen reduction process on SOFC composite electrodes. Journal of Applied Electrochemistry, 2005, 35, 399-403.	1.5	33
62	Direct and indirect electrochemical oxidation of Indigo Carmine using PbO <sub>2</sub> and TiRuSnO <sub>2</sub> . Journal of Solid State Electrochemistry, 2017, 21, 2167-2175.	1.2	31
63	Application of TiO <sub>2</sub> -nanotubes/PbO <sub>2</sub> as an anode for the electrochemical elimination of Acid Red 1 dye. Journal of Solid State Electrochemistry, 2019, 23, 351-360.	1.2	31
64	Characterisation of La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-<math>\delta</math></sub> // Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> composite as cathode for solid oxide fuel cells. Electrochimica Acta, 2017, 240, 258-266.	2.6	28
65	Ciprofloxacin removal: BDD anode coupled with solid polymer electrolyte and ultrasound irradiation. Journal of Water Process Engineering, 2020, 33, 101074.	2.6	26
66	Electrochemical Behavior of Fluorinated Boron-Doped Diamond. Electrochemical and Solid-State Letters, 2003, 6, D9.	2.2	25
67	Ferulic acid treatment by electrochemical oxidation using a BDD anode. Journal of the Taiwan Institute of Chemical Engineers, 2016, 59, 132-137.	2.7	25
68	Dimensionally Stable Anode-Type Anode Based on Conductive p-Silicon Substrate. Journal of the Electrochemical Society, 2003, 150, D41.	1.3	24
69	Application of Doehlert design to the electro-Fenton treatment of Bismarck Brown Y. Journal of Electroanalytical Chemistry, 2017, 799, 34-39.	1.9	24
70	Electrochemical removal of Terbutylazine: Boron-Doped Diamond anode coupled with solid polymer electrolyte. Environmental Pollution, 2019, 251, 285-291.	3.7	24
71	Electrochemical remediation of copper (II) from an industrial effluent. Resources, Conservation and Recycling, 1999, 26, 115-124.	5.3	22
72	Electrochemical oxidation of organic pollutants in low conductive solutions. Current Opinion in Electrochemistry, 2021, 26, 100665.	2.5	22

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73	Electrochemical Polishing of Boron-Doped Diamond in Organic Media. <i>Electrochemical and Solid-State Letters</i> , 2003, 6, D17.	2.2	20
74	Electrochemical and sonoelectrochemical degradation of Allura Red and Erythrosine B dyes with Ti-PbO <sub>2</sub> anode. <i>Journal of Electroanalytical Chemistry</i> , 2021, 889, 115212.	1.9	18
75	Anodic oxidation of benzoquinone using diamond anode. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8451-8456.	2.7	17
76	Groundwater Treatment using a Solid Polymer Electrolyte Cell with Mesh Electrodes. <i>ChemElectroChem</i> , 2019, 6, 1235-1243.	1.7	17
77	Electrochemical treatment of poorly biodegradable DPC cationic surfactant. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2692-2697.	3.3	16
78	Coumaric acid degradation by electro-Fenton process. <i>Journal of Electroanalytical Chemistry</i> , 2012, 667, 19-23.	1.9	15
79	DSA-type anode based on conductive porous p-silicon substrate. <i>Electrochemistry Communications</i> , 2003, 5, 365-368.	2.3	14
80	Cu underpotential deposition on Au controlled by in situ Spectroscopic Ellipsometry. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 1304-1307.	0.8	14
81	Thermochemical recycling of hydrolyzed NaBH <sub>4</sub> . Part II: Systematical study of parameters dependencies. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 15940-15945.	3.8	13
82	Thermochemical recycling of hydrolyzed NaBH <sub>4</sub> . Part I: In-situ and ex-situ evaluations. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 15269-15274.	3.8	12
83	Applicability of electroanalysis for monitoring oxalic acid (OA) concentration during its electrochemical oxidation. <i>Journal of Electroanalytical Chemistry</i> , 2013, 701, 32-35.	1.9	10
84	Electrochemical study of self-assembled cysteine monolayers on polycrystalline gold electrodes and functionalization with microperoxidase MP-11. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 2275-2284.	1.5	9
85	Study of reversible SOFC/SOEC based on a mixed anionic-protonic conductor. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 657-665.	1.5	9
86	Coupling a Boron Doped Diamond Anode with a Solid Polymer Electrolyte to Avoid the Addition of Supporting Electrolyte in Electrochemical Advanced Oxidation Processes. <i>ChemElectroChem</i> , 2019, 6, 1794-1799.	1.7	9
87	A Boron-Doped Diamond Anode for the Electrochemical Removal of Parabens in Low-Conductive Solution: From a Conventional Flow Cell to a Solid Polymer Electrolyte System. <i>ChemElectroChem</i> , 2020, 7, 314-319.	1.7	9
88	Electrochemical oxidation of phenol at boron-doped diamond electrode. Application to electro-organic synthesis and wastewater treatment. <i>Annali Di Chimica</i> , 2002, 92, 995-1006.	0.6	9
89	Chlorpyrifos removal: Nb/boron-doped diamond anode coupled with solid polymer electrolyte and ultrasound irradiation. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2020, 18, 1391-1399.	1.4	8
90	Applicability of Electroanalysis for Monitoring Oxalic Acid (OA) Concentration During its Electrochemical Oxidation at Different Electrode Materials. <i>Electrocatalysis</i> , 2013, 4, 267-273.	1.5	7

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91	Thermodynamic and kinetic studies of NaBH <sub>4</sub> regeneration by NaBO <sub>2</sub> •Mg•H <sub>2</sub> ternary system at isothermal condition. International Journal of Hydrogen Energy, 2014, 39, 11094-11102.	3.8	7
92	Electrochemical Degradation of Vanillic Acid on a BDD Anode. Journal of the Electrochemical Society, 2017, 164, E213-E216.	1.3	7
93	Fine Chemical Industry, Pulp and Paper Industry, Petrochemical Industry and Pharmaceutical Industry. , 2018, , 335-364.		7
94	Veratric acid treatment by anodic oxidation with BDD anode. Journal of Chemical Technology and Biotechnology, 2012, 87, 381-386.	1.6	6
95	A flexible electrochemical cell setup for pollutant oxidation in a wide electrical conductivity range and its integration with ultrasound. Journal of Water Process Engineering, 2022, 46, 102564.	2.6	6
96	A comparative study on direct and indirect electrochemical oxidation of polyaromatic compounds. Annali Di Chimica, 2003, 93, 977-84.	0.6	6
97	Organic Pollutants, Direct and Mediated Anodic Oxidation. , 2014, , 1424-1428.		4
98	Influence of anode material and chlorides in the new-gen solid polymer electrolyte cell for electrochemical oxidation • Optimization of Chloroxylenol degradation with response surface methodology. Journal of Electroanalytical Chemistry, 2022, 920, 116584.	1.9	4
99	Electrochemical remediation of copper (II) from an industrial effluent. Resources, Conservation and Recycling, 2000, 29, 161-167.	5.3	2
100	A Critical Analysis on the Current Design Criteria for Cathodic Protection of Ships and Superyachts. Materials, 2022, 15, 2645.	1.3	2
101	Conventional Reactors and Microreactors in Electro-Fenton. Handbook of Environmental Chemistry, 2017, , 205-239.	0.2	1