# Stephan Brosillon

List of Publications by Year
in descending order



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|---|---|---|---|
| 56 papers | 2,448 citations | 186265 28 h-index | 197818 49 g-index |
| 56 all docs | 56 docs citations | 56 times ranked | 3156 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Evaluation of an ozone diffusion process using a hollow fiber membrane contactor. Chemical Engineering Research and Design, 2022, 177, 291-303. | 5.6 | 9 |
| 2 | Performance of PVDF-TiO2 Membranes during Photo-Filtration in the Presence of Inorganic and Organic Components. Membranes, 2022, 12, 245. | 3.0 | 4 |
| 3 | Water Composition and Electrocatalytic Aspects for Efficient Chlorine Generation. Electrocatalysis, 2022, 13, 414-424. | 3.0 | 3 |
| 4 | Impact of Pre-Ozonation during Nanofiltration of MBR Effluent. Membranes, 2022, 12, 341. | 3.0 | 4 |
| 5 | Understanding Aging Mechanisms in the Context of UV Irradiation of a Low Fouling and Self-Cleaning PVDF-PVP-TiO2 Hollow-Fiber Membrane. Membranes, 2022, 12, 538. | 3.0 | 2 |
| 6 | Influence of Preparation Temperature on the Properties and Performance of Composite PVDF-TiO2 Membranes. Membranes, 2021, 11, 876. | 3.0 | 11 |
| 7 | Coupling catalytic ozonation and membrane separation: A review. Separation and Purification Technology, 2020, 236, 116221. | 7.9 | 76 |
| 8 | Study of permeate flux behavior during photo-filtration using photocatalytic composite membranes. Chemical Engineering and Processing: Process Intensification, 2020, 148, 107781. | 3.6 | 16 |
| 9 | Benefits of ozonation before activated carbon adsorption for the removal of organic micropollutants from wastewater effluents. Chemosphere, 2020, 245, 125530. | 8.2 | 49 |
| 10 | Functionalized ceramic nanofilter for wastewater treatment by coupling membrane separation and catalytic ozonation. Journal of Environmental Chemical Engineering, 2020, 8, 104043. | 6.7 | 20 |
| 11 | Ozonation using hollow fiber contactor technology and its perspectives for micropollutants removal in water: A review. Science of the Total Environment, 2020, 729, 138664. | 8.0 | 31 |
| 12 | Urban wastewater reuse using a coupling between nanofiltration and ozonation: Techno-economic assessment. Chemical Engineering Research and Design, 2019, 145, 19-28. | 5.6 | 30 |
| 13 | Coupling of photocatalytic and separation processes as a contribution to mineralization of wastewater. Chemical Engineering and Processing: Process Intensification, 2018, 134, 115-123. | 3.6 | 12 |
| 14 | Ozonation as a pretreatment process for nanofiltration brines: Monitoring of transformation products and toxicity evaluation. Journal of Hazardous Materials, 2017, 338, 381-393. | 12.4 | 27 |
| 15 | Insight into photochemical oxidation of Fenuron in water using iron oxide and oxalate: The roles of the dissolved oxygen. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 329, 120-129. | 3.9 | 17 |
| 16 | Mâ€Ðoped TiO<sub>2</sub> and TiO<sub>2</sub>â€“M<sub>x</sub>O<sub>y</sub> Mixed Oxides (M = V, Bi, W) by Reactive Mineralization of Cellulose â€“ Evaluation of Their Photocatalytic Activity. European Journal of Inorganic Chemistry, 2016, 2016, 1200-1205. | 2.0 | 12 |
| 17 | The Reductive Dehydration of Cellulose by Solid/Gas Reaction with TiCl<sub>4</sub> at Low Temperature: A Cheap, Simple, and Green Process for Preparing Anatase Nanoplates and TiO<sub>2</sub>/C Composites. Chemistry - A European Journal, 2016, 22, 17262-17268. | 3.3 | 6 |
| 18 | Influence of volumetric reduction factor during ozonation of nanofiltration concentrates for wastewater reuse. Chemosphere, 2016, 165, 497-506. | 8.2 | 22 |

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|---|---|---|---|
| 19 | Evidence of solute-solute interactions and cake enhanced concentration polarization during removal of pharmaceuticals from urban wastewater by nanofiltration. Water Research, 2016, 104, 156-167. | 11.3 | 57 |
| 20 | Oxidative photodegradation of herbicide fenuron in aqueous solution by natural iron oxide Î±-Fe<sub>2</sub>O<sub>3</sub>, influence of polycarboxylic acids. Environmental Technology (United) Tj ETQq0 0 0 rgBT /Overlock 1 | 2.2 | 10 |
| 21 | Photocatalytic Membrane Reactors for Refractory Pollutants Degradation. , 2016, , 1-3. | | 0 |
| 22 | Photocatalytic Membrane Reactor for the Removal of C.I. Disperse Red 73. Materials, 2015, 8, 3633-3647. | 2.9 | 38 |
| 23 | Pilot-scale integrated process for the treatment of dry-spun acrylic fiber manufacturing wastewater. Desalination and Water Treatment, 2015, 54, 2015-2022. | 1.0 | 3 |
| 24 | Arsenic in African Waters: A Review. Water, Air, and Soil Pollution, 2015, 226, 1. | 2.4 | 69 |
| 25 | Improved antifouling properties of TiO<sub>2</sub>/PVDF nanocomposite membranes in UVâ€coupled ultrafiltration. Journal of Applied Polymer Science, 2015, 132, . | 2.6 | 77 |
| 26 | High performance PVDF-TiO 2 membranes for water treatment. Chemical Engineering Science, 2015, 123, 283-291. | 3.8 | 143 |
| 27 | Catalytic ozonation with Î³-Al 2 O 3 to enhance the degradation of refractory organics in water. Applied Catalysis A: General, 2015, 504, 519-532. | 4.3 | 91 |
| 28 | Photocatalytic Membrane Reactor. , 2015, , 1-3. | | 0 |
| 29 | Nanofiltration for wastewater reuse: Counteractive effects of fouling and matrice on the rejection of pharmaceutical active compounds. Separation and Purification Technology, 2014, 133, 313-327. | 7.9 | 76 |
| 30 | Removal of 2,4-dimethylphenol pollutant in water by ozonation catalyzed by SOD, LTA, FAU-X zeolites particles obtained by pseudomorphic transformation (binderless). Microporous and Mesoporous Materials, 2014, 189, 200-209. | 4.4 | 22 |
| 31 | Study of photocatalytic degradation of tributyltin, dibutylin and monobutyltin in water and marine sediments. Chemosphere, 2014, 109, 173-179. | 8.2 | 23 |
| 32 | Influence of solution pH on the performance of photocatalytic membranes during dead-end filtration. Separation and Purification Technology, 2013, 118, 406-414. | 7.9 | 19 |
| 33 | Hydrophilic composite membranes for simultaneous separation and photocatalytic degradation of organic pollutants. Separation and Purification Technology, 2013, 111, 9-19. | 7.9 | 73 |
| 34 | Effect of hydrodynamics during solâ€“gel synthesis of TiO2 nanoparticles: From morphology to photocatalytic properties. Chemical Engineering Research and Design, 2013, 91, 2389-2400. | 5.6 | 11 |
| 35 | Synthesis of binderless zeolite aggregates (SOD, LTA, FAU) beads of 10, 70Î¼m and 1mm by direct pseudomorphic transformation. Microporous and Mesoporous Materials, 2013, 176, 145-154. | 4.4 | 27 |
| 36 | Solar photocatalytic mineralization of 2,4-dichlorophenol and mixtures of pesticides: Kinetic model of mineralization. Solar Energy, 2013, 87, 127-135. | 6.1 | 32 |

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|---|---|---|---|
| 37 | Solar photocatalysis treatment of phytosanitary refuses: Efficiency of industrial photocatalysts. Applied Catalysis B: Environmental, 2012, 115-116, 38-44. | 20.2 | 66 |
| 38 | Integration of photocatalysis and biological treatment for azo dye removal â€“ application to AR183. Environmental Technology (United Kingdom), 2011, 32, 507-514. | 2.2 | 18 |
| 39 | Photocatalysis as a pre-treatment prior to a biological degradation of cyproconazole. Desalination, 2011, 281, 61-67. | 8.2 | 32 |
| 40 | Removal of antibiotics by an integrated process coupling photocatalysis and biological treatment â€“ Case of tetracycline and tylosin. International Biodeterioration and Biodegradation, 2011, 65, 997-1003. | 3.9 | 110 |
| 41 | Glass foams for environmental applications. Journal of Non-Crystalline Solids, 2010, 356, 2562-2568. | 3.1 | 63 |
| 42 | Analysis and occurrence of odorous disinfection by-products from chlorination of amino acids in three different drinking water treatment plants and corresponding distribution networks. Chemosphere, 2009, 77, 1035-1042. | 8.2 | 51 |
| 43 | Influence of ionic strength in the adsorption and during photocatalysis of reactive black 5 azo dye on TiO2 coated on non woven paper with SiO2 as a binder. Journal of Hazardous Materials, 2008, 150, 250-256. | 12.4 | 95 |
| 44 | Gas phase photocatalysis and liquid phase photocatalysis: Interdependence and influence of substrate concentration and photon flow on degradation reaction kinetics. Applied Catalysis B: Environmental, 2008, 78, 232-241. | 20.2 | 101 |
| 45 | Ultra-pressure liquid chromatographyâ€“electrospray tandem mass spectrometry for multiresidue determination of pesticides in water. Journal of Chromatography A, 2008, 1202, 163-172. | 3.7 | 142 |
| 46 | Integrated Process for Degradation of Amitrole in Wastewaters: Photocatalysis/Biodegradation. International Journal of Chemical Reactor Engineering, 2007, 5, . | 1.1 | 7 |
| 47 | Photocatalytic degradation of a triazole pesticide, cyproconazole, in water. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 188, 34-42. | 3.9 | 56 |
| 48 | Evaluation of the intermediates generated during the degradation of Diuron and Linuron herbicides by the photo-Fenton reaction. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 189, 364-373. | 3.9 | 53 |
| 49 | Impact of UV-irradiation on the formation of odorous chloroaldimines in drinking water. Chemosphere, 2006, 63, 1660-1666. | 8.2 | 9 |
| 50 | Chlorination kinetics of glyphosate and its by-products: Modeling approach. Water Research, 2006, 40, 2113-2124. | 11.3 | 19 |
| 51 | Investigation of the mechanism of chlorination of glyphosate and glycine in water. Water Research, 2006, 40, 3003-3014. | 11.3 | 30 |
| 52 | Photocatalytic degradation of azo-dyes reactive black 5 and reactive yellow 145 in water over a newly deposited titanium dioxide. Applied Catalysis B: Environmental, 2005, 57, 55-62. | 20.2 | 176 |
| 53 | Photocatalytic degradation of a phenylurea, chlortoluron, in water using an industrial titanium dioxide coated media. Applied Catalysis B: Environmental, 2005, 61, 227-235. | 20.2 | 59 |
| 54 | Effect of chlorination on the formation of odorous disinfection by-products. Water Research, 2005, 39, 2636-2642. | 11.3 | 67 |

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| 55 | Odorous Products of the Chlorination of Phenylalanine in Water:Â Formation, Evolution, and Quantification. Environmental Science & Technology, 2004, 38, 4134-4139. | 10.0 | 47 |
| 56 | Mass Transfer in VOC Adsorption on Zeolite:Â Experimental and Theoretical Breakthrough Curves. Environmental Science & Technology, 2001, 35, 3571-3575. | 10.0 | 121 |