Vittorio Boffa

List of Publications by Year
in descending order

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57	1,374	257450	361022
papers	citations	24 h-index	35 g-index

58	58	58	1225
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Kinetics of Strontium Carbonate Formation on a Ce-Doped SrFeO3 Perovskite. Catalysts, 2022, 12, 265.	3.5	12
2	Potential of nanofiltration technology in recirculating aquaculture systems in a context of circular economy. Chemical Engineering Journal Advances, 2022, 10, 100269.	5.2	9
3	A thermocatalytic perovskite-graphene oxide nanofiltration membrane for water depollution. Journal of Water Process Engineering, 2022, 49, 102941.	5.6	5
4	Hydrothermal preparation of Bâ€“TiO2-graphene oxide ternary nanocomposite, characterization and photocatalytic degradation of bisphenol A under simulated solar irradiation. Materials Science in Semiconductor Processing, 2021, 123, 105591.	4.0	28
5	Graphene and graphene-oxide for enhancing the photocatalytic properties of materials. , 2021, , 385-396.		0
6	A roadmap for the development and applications of silicon carbide membranes for liquid filtration: Recent advancements, challenges, and perspectives. Chemical Engineering Journal, 2021, 414, 128826.	12.7	46
7	Combined Nanofiltration and Thermocatalysis for the Simultaneous Degradation of Micropollutants, Fouling Mitigation and Water Purification. Membranes, 2021, 11, 639.	3.0	6
8	Ceramic Processing of Silicon Carbide Membranes with the Aid of Aluminum Nitrate Nonahydrate: Preparation, Characterization, and Performance. Membranes, 2021, 11, 714.	3.0	10
9	Abatement of oil residues from produced water using a thermocatalytic packed bed reactor. Journal of Environmental Chemical Engineering, 2021, 9, 106749.	6.7	6
10	Thermocatalytic membrane distillation for clean water production. Npj Clean Water, 2020, 3, .	8.0	18
11	Desalination of Groundwater from a Well in Puglia Region (Italy) by Al2O3-Doped Silica and Polymeric Nanofiltration Membranes. Nanomaterials, 2020, 10, 1738.	4.1	9
12	Effect of Temperature and Branched Crosslinkers on Supported Graphene Oxide Pervaporation Membranes for Ethanol Dehydration. Nanomaterials, 2020, 10, 1571.	4.1	5
13	Tuning Porosity of Reduced Graphene Oxide Membrane Materials by Alkali Activation. Nanomaterials, 2020, 10, 2093.	4.1	14
14	Enhanced fabrication of silicon carbide membranes for wastewater treatment: From laboratory to industrial scale. Journal of Membrane Science, 2020, 606, 118080.	8.2	37
15	Inorganic materials for upcoming water purification membranes. , 2020, , 117-140.		1
16	Fabrication and Surface Interactions of Super-Hydrophobic Silicon Carbide for Membrane Distillation. Nanomaterials, 2019, 9, 1159.	4.1	5
17	Phenol Abatement by Titanium Dioxide Photocatalysts: Effect of The Graphene Oxide Loading. Nanomaterials, 2019, 9, 947.	4.1	16
18	Surfactant-Assisted Fabrication of Alumina-Doped Amorphous Silica Nanofiltration Membranes with Enhanced Water Purification Performances. Nanomaterials, 2019, 9, 1368.	4.1	9

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19	Comparison of Chemical Cross-Linkers with Branched and Linear Molecular Structures for Stabilization of Graphene Oxide Membranes and Their Performance in Ethanol Dehydration. Industrial & Engineering Chemistry Research, 2019, 58, 18788-18797.	3.7	6
20	Polymorph formation for a zeolitic imidazolate framework composition - Zn(Im) 2. Microporous and Mesoporous Materials, 2018, 265, 57-62.	4.4	13
21	Clarifying the gel-to-glass transformation in Al2O3-SiO2 systems. Journal of Non-Crystalline Solids, 2018, 492, 77-83.	3.1	8
22	Water Defluoridation: Nanofiltration vs Membrane Distillation. Industrial & Engineering Chemistry Research, 2018, 57, 14740-14748.	3.7	35
23	Revealing hidden endotherm of Hummers' graphene oxide during low-temperature thermal reduction. Carbon, 2018, 138, 337-347.	10.3	33
24	Carbon-based building blocks for alcohol dehydration membranes with disorder-enhanced water permeability. Carbon, 2017, 118, 458-466.	10.3	27
25	Mutual-stabilization in chemically bonded graphene oxideâ€“TiO₂ heterostructures synthesized by a solâ€“gel approach. RSC Advances, 2017, 7, 41217-41227.	3.6	26
26	Design and fabrication of silica-based nanofiltration membranes for water desalination and detoxification. Microporous and Mesoporous Materials, 2017, 237, 117-126.	4.4	34
27	Hydrophilicity and surface heterogeneity of TiO 2 -doped silica materials for membrane applications. Microporous and Mesoporous Materials, 2016, 221, 81-90.	4.4	28
28	Electroviscous Effects in Ceramic Nanofiltration Membranes. ChemPhysChem, 2015, 16, 3397-3407.	2.1	7
29	Inorganic Membranes for the Recovery of Effluent from Municipal Wastewater Treatment Plants. Industrial & Engineering Chemistry Research, 2015, 54, 3462-3472.	3.7	14
30	Role of a waste-derived polymeric biosurfactant in the solâ€“gel synthesis of nanocrystalline titanium dioxide. Ceramics International, 2014, 40, 12161-12169.	4.8	21
31	Modeling water flux and salt rejection of mesoporous Î³-alumina and microporous organosilica membranes. Journal of Membrane Science, 2014, 470, 307-315.	8.2	14
32	One-step deposition of ultrafiltration SiC membranes on macroporous SiC supports. Journal of Membrane Science, 2014, 472, 232-240.	8.2	55
33	Deposition of thin ultrafiltration membranes on commercial SiC microfiltration tubes. Ceramics International, 2014, 40, 3277-3285.	4.8	45
34	Toward the effective design of steam-stable silica-based membranes. Microporous and Mesoporous Materials, 2013, 179, 242-249.	4.4	21
35	Bio-organics isolated from urban bio-refuse for the photodegration of azo-dyes in aqueous solutions. Desalination and Water Treatment, 2012, 39, 308-315.	1.0	1
36	Solâ€“Gel Synthesis of a Biotemplated Inorganic Photocatalyst: A Simple Experiment for Introducing Undergraduate Students to Materials Chemistry. Journal of Chemical Education, 2012, 89, 1466-1469.	2.3	9

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37	Refuse derived bio-organics and immobilized soybean peroxidase for green chemical technology. Process Biochemistry, 2012, 47, 2025-2031.	3.7	36
38	Biochemenergy: a project to turn an urban wastes treatment plant into biorefinery for the production of energy, chemicals and consumer's products with friendly environmental impact. International Journal of Global Environmental Issues, 2011, 11, 170.	0.1	62
39	Protein helical structure enhancement in biocompatible fluoro-phosphonate-based nanoporous silica glasses assessed by circular dichroism spectroscopy. International Journal of Nanotechnology, 2011, 8, 471.	0.2	4
40	Acid soluble bio-organic substances isolated from urban bio-waste. Chemical composition and properties of products. Waste Management, 2011, 31, 10-17.	7.4	34
41	Wasteâ€Derived Bioorganic Substances for Lightâ€Induced Generation of Reactive Oxygenated Species. ChemSusChem, 2011, 4, 85-90.	6.8	38
42	Biosurfactants from Urban Wastes for Detergent Formulation: Surface Activity and Washing Performance. Journal of Surfactants and Detergents, 2010, 13, 59-68.	2.1	34
43	A Wasteâ€Derived Biosurfactant for the Preparation of Templated Silica Powders. ChemSusChem, 2010, 3, 445-452.	6.8	24
44	Sensitizing effect of bio-based chemicals from urban wastes on the photodegradation of azo-dyes. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 209, 224-231.	3.9	33
45	A new polyfunctional acid material for solid state proton conductivity in dry environment: Nafion doped with difluoromethandiphosphonic acid. Solid State Ionics, 2010, 181, 578-585.	2.7	13
46	Behavior and Properties in Aqueous Solution of Biopolymers Isolated from Urban Refuse. Biomacromolecules, 2010, 11, 3036-3042.	5.4	27
47	Biosurfactants from Urban Green Waste. ChemSusChem, 2009, 2, 239-247.	6.8	37
48	Microporous niobiaâ€“silica membranes: Influence of sol composition and structure on gas transport properties. Microporous and Mesoporous Materials, 2009, 118, 202-209.	4.4	40
49	Use of biosurfactants from urban wastes compost in textile dyeing and soil remediation. Waste Management, 2009, 29, 383-389.	7.4	45
50	Biosurfactants from Urban Wastes As Auxiliaries for Textile Dyeing. Industrial & Engineering Chemistry Research, 2009, 48, 3738-3748.	3.7	36
51	Structure and Growth of Polymeric Niobia-Silica Mixed-Oxide Sols for Microporous Molecular Sieving Membranes: A SAXS Study. Chemistry of Materials, 2009, 21, 1822-1828.	6.7	28
52	Urban wastes as sources of valuable chemicals for sustainable development: surfactants, dispersing polymers and polyelectrolytes of biological origin. International Journal of Sustainable Development and Planning, 2009, 4, 291-308.	0.7	0
53	Microporous Niobiaâ€“Silica Membrane with Very Low CO₂ Permeability. ChemSusChem, 2008, 1, 437-443.	6.8	68
54	Hydrothermal stability of microporous silica and niobiaâ€“silica membranes. Journal of Membrane Science, 2008, 319, 256-263.	8.2	138

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55	Preparation of self-supporting mesostructured silica thin film membranes as gateable interconnects for microfluidics. Journal of Membrane Science, 2008, 323, 347-351.	8.2	16
56	Preparation of templated mesoporous silica membranes on macroporous Î±-alumina supports via direct coating of thixotropic polymeric sols. Microporous and Mesoporous Materials, 2007, 100, 173-182.	4.4	24
57	Proton conductivity of poly(dialkyl)phosphazenesâ€“phosphoric acid composites at low humidity. Solid State Ionics, 2007, 178, 1442-1450.	2.7	4