

Sandra Vitolo

List of Publications by Year in descending order

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53
papers

2,610
citations

279798

23
h-index

189892

50
g-index

53
all docs

53
docs citations

53
times ranked

2997
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic upgrading of pyrolytic oils over HZSM-5 zeolite: behaviour of the catalyst when used in repeated upgrading®enerating cycles. <i>Fuel</i> , 2001, 80, 17-26.	6.4	260
2	Catalytic upgrading of pyrolytic oils to fuel over different zeolites. <i>Fuel</i> , 1999, 78, 1147-1159.	6.4	252
3	<i>Brassica carinata</i> as an alternative oil crop for the production of biodiesel in Italy: agronomic evaluation, fuel production by transesterification and characterization. <i>Biomass and Bioenergy</i> , 2003, 25, 623-636.	5.7	241
4	<i>Brassica carinata</i> as an Alternative Oil Crop for the Production of Biodiesel in Italy: Engine Performance and Regulated and Unregulated Exhaust Emissions. <i>Environmental Science & Technology</i> , 2002, 36, 4656-4662.	10.0	174
5	Liquid fuel production from waste tyre pyrolysis and its utilisation in a Diesel engine. <i>Fuel</i> , 2014, 116, 399-408.	6.4	172
6	Alkali promoted lithium orthosilicate for CO ₂ capture at high temperature and low concentration. <i>International Journal of Greenhouse Gas Control</i> , 2013, 17, 25-31.	4.6	153
7	Hydrothermal carbonization of sewage sludge: A critical analysis of process severity, hydrochar properties and environmental implications. <i>Waste Management</i> , 2019, 93, 1-13.	7.4	120
8	High-temperature and low concentration CO ₂ sorption on Li ₄ SiO ₄ based sorbents: Study of the used silica and doping method effects. <i>International Journal of Greenhouse Gas Control</i> , 2011, 5, 741-748.	4.6	118
9	Treatment of olive oil industry wastes. <i>Bioresource Technology</i> , 1999, 67, 129-137.	9.6	117
10	Recovery of vanadium from heavy oil and Orimulsion fly ashes. <i>Hydrometallurgy</i> , 2000, 57, 141-149.	4.3	102
11	Cogasification of sewage sludge in an updraft gasifier. <i>Fuel</i> , 2012, 93, 486-491.	6.4	94
12	Experimental and Modeling Studies on High-Temperature Capture of CO ₂ Using Lithium Zirconate Based Sorbents. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 6696-6706.	3.7	73
13	Effect of sewage sludge content on gas quality and solid residues produced by cogasification in an updraft gasifier. <i>Waste Management</i> , 2012, 32, 1826-1834.	7.4	67
14	New Bio-Composites Based on Polyhydroxyalkanoates and <i>Posidonia oceanica</i> Fibres for Applications in a Marine Environment. <i>Materials</i> , 2017, 10, 326.	2.9	57
15	Recovery of vanadium from a previously burned heavy oil fly ash. <i>Hydrometallurgy</i> , 2001, 62, 145-150.	4.3	48
16	In-depth characterization of valuable char obtained from hydrothermal conversion of hazelnut shells to levulinic acid. <i>Bioresource Technology</i> , 2017, 244, 880-888.	9.6	48
17	Recovery of nickel from Orimulsion fly ash by iminodiacetic acid chelating resin. <i>Hydrometallurgy</i> , 2006, 81, 9-14.	4.3	46
18	Hydrothermal Carbonization of Municipal Woody and Herbaceous Prunings: Hydrochar Valorisation as Soil Amendment and Growth Medium for Horticulture. <i>Sustainability</i> , 2018, 10, 846.	3.2	46

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19	Mercury removal from geothermal exhaust gas by sulfur-impregnated and virgin activated carbons. <i>Geothermics</i> , 2002, 31, 431-442.	3.4	39
20	Physical and combustion characterization of pyrolytic oils derived from biomass material upgraded by catalytic hydrogenation. <i>Fuel</i> , 1994, 73, 1810-1812.	6.4	27
21	Improving the environmental performance of vegetable oil processing through LCA. <i>Journal of Cleaner Production</i> , 2014, 64, 310-322.	9.3	27
22	Recovery of silica gel from blast furnace slag. <i>Resources, Conservation and Recycling</i> , 2003, 40, 71-80.	10.8	25
23	Preparation of activated carbons from heavy-oil fly ashes. <i>Waste Management</i> , 2003, 23, 345-351.	7.4	24
24	Hydrothermal Carbonization of Sewage Sludge: Analysis of Process Severity and Solid Content. <i>Chemical Engineering and Technology</i> , 2020, 43, 2382-2392.	1.5	24
25	Combustion reactivity of different oil-fired fly ashes as received and leached. <i>Fuel</i> , 2007, 86, 1885-1891.	6.4	23
26	Deposition of sulfur from H ₂ S on porous adsorbents and effect on their mercury adsorption capacity. <i>Geothermics</i> , 1999, 28, 341-354.	3.4	22
27	Eco-friendly titanium tanning for the manufacture of bovine upper leathers: pilot-scale studies. <i>Clean Technologies and Environmental Policy</i> , 2014, 16, 1795-1803.	4.1	20
28	Bioethanol-gasoline fuel blends: Exhaust emissions and morphological characterization of particulate from a moped engine. <i>Journal of the Air and Waste Management Association</i> , 2012, 62, 888-897.	1.9	17
29	Investigating the activation of hydrochar from sewage sludge for the removal of terbuthylazine from aqueous solutions. <i>Journal of Material Cycles and Waste Management</i> , 2020, 22, 1539-1551.	3.0	16
30	Rheology of coal-water mixtures containing petroleum coke. <i>Fuel</i> , 1996, 75, 259-261.	6.4	15
31	Phosphorus recovery from sewage sludge hydrochar: process optimization by response surface methodology. <i>Water Science and Technology</i> , 2020, 82, 2331-2343.	2.5	13
32	Effects of different blanching treatments on colour and microbiological profile of <i>Tenebrio molitor</i> and <i>Zophobas morio</i> larvae. <i>LWT - Food Science and Technology</i> , 2022, 157, 113112.	5.2	13
33	Investigation on the porosity development by CO ₂ activation in heavy oil fly ashes. <i>Fuel</i> , 2003, 82, 1441-1450.	6.4	12
34	Silica separation from reinjection brines at monte amiata geothermal plants, Italy. <i>Geothermics</i> , 1994, 23, 257-266.	3.4	11
35	Effect of pre-oxidation on the porosity development in a heavy oil fly ash by CO ₂ activation. <i>Fuel</i> , 2005, 84, 1854-1857.	6.4	11
36	Prediction of fly-ash size distribution: a correlation between the char transition radius and coal properties. <i>Fuel</i> , 2000, 79, 999-1002.	6.4	9

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37	An insight into the molecular mechanism of the masking process in titanium tanning. <i>Clean Technologies and Environmental Policy</i> , 2017, 19, 259-267.	4.1	9
38	Chlorpyrifos removal: Nb/boron-doped diamond anode coupled with solid polymer electrolyte and ultrasound irradiation. <i>Journal of Environmental Health Science & Engineering</i> , 2020, 18, 1391-1399.	3.0	8
39	Novel Thermoplastic Materials from Wastes of the Leather Industry. <i>Applied Mechanics and Materials</i> , 2013, 467, 41-48.	0.2	7
40	Aryl hydrocarbon reporter gene bioassay for screening polyhalogenated dibenzo-p-dioxins/furans and dioxin-like polychlorinated biphenyls in hydrochar and sewage sludge. <i>Journal of Hazardous Materials</i> , 2022, 428, 128256.	12.4	7
41	Collagen-based bioartificial materials?evaluation as membranes for extracorporeal blood purification. <i>Journal of Materials Science: Materials in Medicine</i> , 1994, 5, 868-871.	3.6	6
42	Biodegradability of Polyethylene/Hydrolyzed Collagen Blends in Terrestrial and Marine Environmental Conditions. <i>Journal of Renewable Materials</i> , 2017, 5, 117-123.	2.2	6
43	Effect of pre-oxidation on the porosity development in a heavy oil fly ash by CO activation. <i>Fuel</i> , 2005, 84, 1593-1593.	6.4	5
44	Municipal wastewater reclamation and reuse in the leather industry. <i>Desalination and Water Treatment</i> , 2014, 52, 1647-1653.	1.0	5
45	The zebrafish (<i>Danio rerio</i>) embryo-larval contact assay combined with biochemical biomarkers and swimming performance in sewage sludge and hydrochar hazard assessment. <i>Environmental Pollution</i> , 2022, 302, 119053.	7.5	5
46	Investigation on the combustion of heavy-oil fly-ashes. <i>Fuel</i> , 2002, 81, 1711-1715.	6.4	4
47	Properties of Thermoplastic Blends with Polypropylene and Collagen Hydrolizate. <i>Advanced Materials Research</i> , 2014, 893, 235-240.	0.3	4
48	Li ₄ SiO ₄ breeder pebbles fabrication by a sol-gel supported drip casting method. <i>Fusion Engineering and Design</i> , 2022, 175, 113014.	1.9	4
49	Use of Tannery Sludge Ash as Filler in Waterproofing Membranes. <i>Applied Mechanics and Materials</i> , 0, 467, 240-246.	0.2	2
50	Treatment of cooling water in the glass industry. <i>Resources, Conservation and Recycling</i> , 1996, 17, 27-35.	10.8	1
51	A re-examination of the diffuse interface model for gas-solids reaction. <i>Chemical Engineering Science</i> , 2000, 55, 713-716.	3.8	1
52	Utilization of Tannery Wastewaters Sludge Ash in Waterproofing Membrane: A Technical and Environmental Feasibility Study. <i>Advanced Materials Research</i> , 2013, 849, 397-404.	0.3	0
53	Pilot-Scale Study on Masking Agents for Titanium Tanning. <i>Advanced Materials Research</i> , 2015, 1120-1121, 203-207.	0.3	0