

Elza Bontempi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

273 papers	6,207 citations	42 h-index	62 g-index
291 ext. papers	7,172 ext. citations	4.8 avg, IF	6.79 L-index

#	Paper	IF	Citations
273	Evaluation of the sustainability of technologies to recycle spent lithium-ion batteries, based on embodied energy and carbon footprint. <i>Journal of Cleaner Production</i> , 2022 , 338, 130493	10.3	4
272	Safer plant-based nanoparticles for combating antibiotic resistance in bacteria: A comprehensive review on its potential applications, recent advances, and future perspective.. <i>Science of the Total Environment</i> , 2022 , 821, 153472	10.2	4
271	SARS-CoV-2 and other pathogens in municipal wastewater, landfill leachate, and solid waste: A review about virus surveillance, infectivity, and inactivation. <i>Environmental Research</i> , 2022 , 203, 111839	7.9	14
270	Repairing Damage Caused by Burrowing Animals in Embankments: A Sustainable Proposal. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 2548	2.6	
269	ESCAPE approach for the sustainability evaluation of spent lithium-ion batteries recovery: Dataset of 33 available technologies.. <i>Data in Brief</i> , 2022 , 42, 108018	1.2	0
268	Analysis of the lockdown effects due to the COVID-19 on air pollution in Brescia (Lombardy).. <i>Environmental Research</i> , 2022 , 113193	7.9	2
267	New Insights in factors affecting ground water quality with focus on health risk assessment and remediation techniques.. <i>Environmental Research</i> , 2022 , 113171	7.9	5
266	Phosphorus recovery from a pilot-scale grate furnace: influencing factors beyond wet chemical leaching conditions.. <i>Water Science and Technology</i> , 2022 , 85, 2525-2538	2.2	
265	Hybrid materials to reduce pollution involving photocatalysis and particulate matter entrapment 2022 , 201-229		
264	Phosphorous and Silica Recovery from Rice Husk Poultry Litter Ash: A Sustainability Analysis Using a Zero-Waste Approach. <i>Materials</i> , 2021 , 14,	3.5	1
263	Incineration of sewage sludge and recovery of residue ash as building material: A valuable option as a consequence of the COVID-19 pandemic. <i>Journal of Environmental Management</i> , 2021 , 282, 111966	7.9	22
262	Sustainable Materials and their Contribution to the Sustainable Development Goals (SDGs): A Critical Review Based on an Italian Example. <i>Molecules</i> , 2021 , 26,	4.8	13
261	Assessment of Integrated Aerosol Sampling Techniques in Indoor, Confined and Outdoor Environments Characterized by Specific Emission Sources. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4360	2.6	
260	Novel coronavirus disease 2019 (COVID-19) pandemic: From transmission to control with an interdisciplinary vision. <i>Environmental Research</i> , 2021 , 197, 111126	7.9	31
259	The Reuse of Industrial By-Products for the Synthesis of Innovative Porous Materials, with the Aim to Improve Urban Air Quality. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6798	2.6	0
258	The europe second wave of COVID-19 infection and the Italy "strange" situation. <i>Environmental Research</i> , 2021 , 193, 110476	7.9	75
257	Simultaneous amorphous silica and phosphorus recovery from rice husk poultry litter ash.. <i>RSC Advances</i> , 2021 , 11, 8927-8939	3.7	6

256 A porous hybrid material for air particulate matter reduction **2021**, 595-622

255 Evaluation of the sustainability of technologies to recover phosphorus from sewage sludge ash based on embodied energy and CO2 footprint. *Journal of Cleaner Production*, **2021**, 289, 125762 10.3 11

254 International trade as critical parameter of COVID-19 spread that outclasses demographic, economic, environmental, and pollution factors. *Environmental Research*, **2021**, 201, 111514 7.9 25

253 Can commercial trade represent the main indicator of the COVID-19 diffusion due to human-to-human interactions? A comparative analysis between Italy, France, and Spain. *Environmental Research*, **2021**, 201, 111529 7.9 21

252 A post-pandemic sustainable scenario: What actions can be pursued to increase the raw materials availability?. *Environmental Research*, **2021**, 202, 111681 7.9 8

251 Assessment of a simple and replicable procedure for selective phosphorus recovery from sewage sludge ashes by wet chemical extraction and precipitation. *Chemosphere*, **2021**, 285, 131476 8.4 7

250 A global assessment of COVID-19 diffusion based on a single indicator: Some considerations about air pollution and COVID-19 spread. *Environmental Research*, **2021**, 204, 112098 7.9 3

249 First data analysis about possible COVID-19 virus airborne diffusion due to air particulate matter (PM): The case of Lombardy (Italy). *Environmental Research*, **2020**, 186, 109639 7.9 119

248 Poultry litter ash characterisation and recovery. *Waste Management*, **2020**, 111, 10-21 8.6 12

247 Commercial exchanges instead of air pollution as possible origin of COVID-19 initial diffusion phase in Italy: More efforts are necessary to address interdisciplinary research. *Environmental Research*, **2020**, 188, 109775 7.9 51

246 Understanding COVID-19 diffusion requires an interdisciplinary, multi-dimensional approach. *Environmental Research*, **2020**, 188, 109814 7.9 74

245 Review of the Reuse Possibilities Concerning Ash Residues from Thermal Process in a Medium-Sized Urban System in Northern Italy. *Sustainability*, **2020**, 12, 4193 3.6 18

244 Grain Size Effect in Elution Test of Electric Arc Furnace Slag. *Applied Sciences (Switzerland)*, **2020**, 10, 477 2.6 8

243 The assessment of a method for measurements and lead quantification in air particulate matter using total reflection X-ray fluorescence spectrometers. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2020**, 167, 105840 3.1 8

242 A Circular Economy Virtuous Example Use of a Stabilized Waste Material Instead of Calcite to Produce Sustainable Composites. *Applied Sciences (Switzerland)*, **2020**, 10, 754 2.6 10

241 Zero-waste approach in municipal solid waste incineration: Reuse of bottom ash to stabilize fly ash. *Journal of Cleaner Production*, **2020**, 245, 118779 10.3 51

240 The first material made for air pollution control able to sequester fine and ultrafine air particulate matter. *Sustainable Cities and Society*, **2020**, 53, 101961 10.1 18

239 Dataset on the use of metal hydroxides, instead of flue gas desulfurization residues, to stabilize fly ash by using bottom ash. *Data in Brief*, **2020**, 28, 104970 1.2 1

238	Legal situation and current practice of waste incineration bottom ash utilisation in Europe. <i>Waste Management</i> , 2020 , 102, 868-883	8.6	66
237	Stabilization of Municipal Solid Waste Fly Ash, Obtained by Co-Combustion with Sewage Sludge, Mixed with Bottom Ash Derived by the Same Plant. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6075	2.6	5
236	Porous Materials Derived from Industrial By-Products for Titanium Dioxide Nanoparticles Capture. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8086	2.6	4
235	Plasma-Assisted Chemical Vapor Deposition of F-Doped MnO Nanostructures on Single Crystal Substrates. <i>Nanomaterials</i> , 2020 , 10,	5.4	1
234	Medicinal plants: Treasure trove for green synthesis of metallic nanoparticles and their biomedical applications. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020 , 24, 101518	4.2	79
233	Bottom ash derived from municipal solid waste and sewage sludge co-incineration: First results about characterization and reuse. <i>Waste Management</i> , 2020 , 116, 147-156	8.6	16
232	New Eco-Materials Derived from Waste for Emerging Pollutants Adsorption: The Case of Diclofenac. <i>Materials</i> , 2020 , 13,	3.5	3
231	Increased Sustainability of Carbon Dioxide Mineral Sequestration by a Technology Involving Fly Ash Stabilization. <i>Materials</i> , 2019 , 12,	3.5	17
230	Miniaturized Near-Infrared (MicroNIR) Spectrometer in Plastic Waste Sorting. <i>Materials</i> , 2019 , 12,	3.5	34
229	Sewage sludge ash recovery as valuable raw material for chemical stabilization of leachable heavy metals. <i>Journal of Environmental Management</i> , 2019 , 245, 464-470	7.9	26
228	Chemical Analysis of Air Particulate Matter Trapped by a Porous Material, Synthesized from Silica Fume and Sodium Alginate. <i>Journal of Nanomaterials</i> , 2019 , 2019, 1-9	3.2	8
227	Evaluation of different quantification modes for a simple and reliable determination of Pb, Zn and Cd in soil suspensions by total reflection X-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2019 , 34, 930-939	3.7	18
226	High Magnetic Coercivity in Nanostructured Mn ₃ O ₄ Thin Films Obtained by Chemical Vapor Deposition. <i>ACS Applied Nano Materials</i> , 2019 , 2, 1704-1712	5.6	3
225	Stabilized biomass ash as a sustainable substitute for commercial P-fertilizers. <i>Land Degradation and Development</i> , 2018 , 29, 2199-2207	4.4	21
224	Elemental analysis of teas, herbs and their infusions by means of total reflection X-ray fluorescence. <i>Journal of Food Composition and Analysis</i> , 2018 , 67, 128-134	4.1	22
223	Comprehensive approach to the validation of the standard method for total reflection X-ray fluorescence analysis of water. <i>Talanta</i> , 2018 , 181, 165-171	6.2	22
222	The first sustainable material designed for air particulate matter capture: An introduction to Azure Chemistry. <i>Journal of Environmental Management</i> , 2018 , 218, 355-362	7.9	29
221	Technologies for the management of MSW incineration ashes from gas cleaning: New perspectives on recovery of secondary raw materials and circular economy. <i>Science of the Total Environment</i> , 2018 , 635, 526-542	10.2	145

220	A sustainable bioplastic obtained from rice straw. <i>Journal of Cleaner Production</i> , 2018 , 200, 357-368	10.3	80
219	A New Porous Hybrid Material Derived From Silica Fume and Alginate for Sustainable Pollutants Reduction. <i>Frontiers in Chemistry</i> , 2018 , 6, 60	5	24
218	Comparison of multiple X-ray fluorescence techniques for elemental analysis of particulate matter collected on air filters. <i>Journal of Aerosol Science</i> , 2018 , 122, 1-10	4.3	12
217	New Sustainable Hybrid Porous Materials for Air Particulate Matter Trapping. <i>Materials Science Forum</i> , 2018 , 941, 2237-2242	0.4	3
216	SUNSPACE, A Porous Material to Reduce Air Particulate Matter (PM). <i>Frontiers in Chemistry</i> , 2018 , 6, 5345		17
215	Interaction of Extracellular Vesicles with Si Surface Studied by Nanomechanical Microcantilever Sensors. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 404	2.6	2
214	A new approach for evaluating the sustainability of raw materials substitution based on embodied energy and the CO2 footprint. <i>Journal of Cleaner Production</i> , 2017 , 162, 162-169	10.3	87
213	Elemental analysis of tree leaves by total reflection X-ray fluorescence: New approaches for air quality monitoring. <i>Chemosphere</i> , 2017 , 178, 504-512	8.4	26
212	Effect of COSMOS technologies in detoxifying municipal solid waste incineration fly ash, preliminary results. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 64, 012068	0.3	1
211	A New Approach to Evaluate the Sustainability of Raw Materials Substitution. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2017 , 79-101	0.4	2
210	Raw Materials Substitution Sustainability. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2017 ,	0.4	8
209	Integrated management of ash from industrial and domestic combustion: a new sustainable approach for reducing greenhouse gas emissions from energy conversion. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 14834-14846	5.1	23
208	Surface topography and hydrogen sensor response of APCVD grown multilayer graphene thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 157-166	2.1	2
207	Embodied energy as key parameter for sustainable materials selection: The case of reusing coal fly ash for removing anionic surfactants. <i>Journal of Cleaner Production</i> , 2017 , 141, 230-236	10.3	35
206	Waste silica sources as heavy metal stabilizers for municipal solid waste incineration fly ash. <i>Arabian Journal of Chemistry</i> , 2017 , 10, S3676-S3681	5.9	55
205	The deterioration of metamorphic serpentinites used in historical architecture under atmospheric conditions. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2017 , 50, 402-411	1.4	4
204	Case Study of Raw Materials Substitution: Natural Fillers Substitution in Plastic Composites. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2017 , 29-61	0.4	6
203	Case Study of Raw Materials Substitution: Activated Carbon Substitution for Wastewater Treatments. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2017 , 63-77	0.4	2

202	Raw Materials and Sustainability Indicators. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2017 , 1-28	0.4	
201	The two-way shape memory behaviour of crosslinked poly(ϵ -caprolactone) systems with largely varied network density. <i>Journal of Intelligent Material Systems and Structures</i> , 2016 , 27, 1388-1403	2.3	18
200	Evaluation of the Biototoxicity of Tree Wood Ashes in Zebrafish Embryos. <i>Zebrafish</i> , 2016 , 13, 449-55	2	4
199	Synthesis and photocatalytic application of visible-light active γ -Fe ₂ O ₃ /g-C ₃ N ₄ hybrid nanocomposites. <i>Applied Catalysis B: Environmental</i> , 2016 , 187, 171-180	21.8	157
198	Contamination of Paddy Soil and Rice with Arsenic. <i>Journal of Environmental Protection</i> , 2016 , 07, 689-698	6	3
197	COSMOS-rice technology abrogates the biotoxic effects of municipal solid waste incinerator residues. <i>Environmental Pollution</i> , 2016 , 214, 713-721	9.3	10
196	Chemical Stabilization of Municipal Solid Waste Incineration Fly Ash without Any Commercial Chemicals: First Pilot-Plant Scaling Up. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 5561-5569	8.3	53
195	(Invited) ALD to Prevent Metal Transfer from Implants. <i>ECS Transactions</i> , 2016 , 75, 167-175	1	1
194	Beyond waste: new sustainable fillers from fly ashes stabilization, obtained by low cost raw materials. <i>Heliyon</i> , 2016 , 2, e00163	3.6	18
193	Fe ₂ O ₃ -TiO ₂ nanocomposites on activated carbon fibers by a plasma-assisted approach. <i>Surface and Coatings Technology</i> , 2016 , 307, 352-358	4.4	9
192	Novel two-step vapor-phase synthesis of UV-Vis light active FeO/WO ₃ nanocomposites for phenol degradation. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 20350-20359	5.1	11
191	Comparison between rice husk ash grown in different regions for stabilizing fly ash from a solid waste incinerator. <i>Journal of Environmental Management</i> , 2015 , 159, 128-134	7.9	22
190	Pt-functionalized Fe ₂ O ₃ photoanodes for solar water splitting: the role of hematite nano-organization and the platinum redox state. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 12899-907	3.6	42
189	Tailoring the textured surface of porous nanostructured NiO thin films for the detection of pollutant gases. <i>Thin Solid Films</i> , 2015 , 583, 233-238	2.2	35
188	Vapor Phase Processing of Fe ₂ O ₃ Photoelectrodes for Water Splitting: An Insight into the Structure/Property Interplay. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 8667-76	9.5	68
187	Determination of trace elements in Italian wines by means of total reflection X-ray fluorescence spectroscopy. <i>International Journal of Environmental Analytical Chemistry</i> , 2015 , 95, 1208-1218	1.8	10
186	Large surface area biphasic titania for chemical sensing. <i>Sensors and Actuators B: Chemical</i> , 2015 , 209, 1091-1096	8.5	23
185	Total reflection X-Ray fluorescence spectroscopy to study Pb and Zn accumulation in zebrafish embryos. <i>X-Ray Spectrometry</i> , 2015 , 44, 124-128	0.9	17

184	Total reflection X-ray fluorescence as a tool for food screening. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015 , 113, 1-15	3.1	42
183	Recycling of pre-stabilized municipal waste incinerator fly ash and soda-lime glass into sintered glass-ceramics. <i>Journal of Cleaner Production</i> , 2015 , 89, 224-230	10.3	73
182	Water Splitting: Fe ₂ O ₃ /TiO ₂ Nano-heterostructure Photoanodes for Highly Efficient Solar Water Oxidation (Adv. Mater. Interfaces 17/2015). <i>Advanced Materials Interfaces</i> , 2015 , 2,	4.6	2
181	Fe ₂ O ₃ /TiO ₂ Nano-heterostructure Photoanodes for Highly Efficient Solar Water Oxidation. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500313	4.6	83
180	PECVD of Hematite Nanoblades and Nanocolumns: Synthesis, Characterization, and Growth Model . <i>Chemical Vapor Deposition</i> , 2015 , 21, 294-299		11
179	Interplay of thickness and photoelectrochemical properties in nanostructured p-Fe ₂ O ₃ thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015 , 212, 1501-1507	1.6	18
178	Rice Husk Ash to Stabilize Heavy Metals Contained in Municipal Solid Waste Incineration Fly Ash: First Results by Applying New Pre-treatment Technology. <i>Materials</i> , 2015 , 8, 6868-6879	3.5	17
177	Evaluation of Heavy Metals Contamination from Environment to Food Matrix by TXRF: The Case of Rice and Rice Husk. <i>Journal of Chemistry</i> , 2015 , 2015, 1-12	2.3	13
176	Highly conductive titanium oxide nanotubes chemical sensors. <i>Microporous and Mesoporous Materials</i> , 2015 , 208, 165-170	5.3	24
175	Contamination of Heavy Metals and Nutrients in Sediment, Sludge and Sewage of India. <i>International Journal of Geosciences</i> , 2015 , 06, 1179-1192	0.4	2
174	Contamination of Arsenic and Other Heavy Metals in Rhizospheric Soil. <i>American Journal of Analytical Chemistry</i> , 2015 , 06, 822-829	0.7	1
173	Review of fly ash inertisation treatments and recycling. <i>Environmental Chemistry Letters</i> , 2014 , 12, 153-155	15.3	138
172	Rational synthesis of F-doped iron oxides on Al ₂ O ₃ (0001) single crystals. <i>RSC Advances</i> , 2014 , 4, 52140-52146	3.7	6
171	A plasma-assisted approach for the controlled dispersion of CuO aggregates into γ-iron(III) oxide matrices. <i>CrystEngComm</i> , 2014 , 16, 8710-8716	3.3	24
170	Fe ₂ O ₃ nanostructures on SrTiO ₃ (1 1 1) by chemical vapor deposition: Growth and characterization. <i>Materials Letters</i> , 2014 , 136, 141-145	3.3	3
169	Biosafe inertization of municipal solid waste incinerator residues by COSMOS technology. <i>Journal of Hazardous Materials</i> , 2014 , 279, 311-21	12.8	25
168	Solar H ₂ generation via ethanol photoreforming on p-Fe ₂ O ₃ nanorod arrays activated by Ag and Au nanoparticles. <i>RSC Advances</i> , 2014 , 4, 32174	3.7	38
167	TXRF analysis of soils and sediments to assess environmental contamination. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 13208-14	5.1	18

166	Arsenic stabilization in coal fly ash through the employment of waste materials. <i>Journal of Environmental Chemical Engineering</i> , 2014 , 2, 1352-1357	6.8	11
165	Neurofunctional dopaminergic impairment in elderly after lifetime exposure to manganese. <i>NeuroToxicology</i> , 2014 , 45, 309-17	4.4	61
164	A new nanotechnology of fly ash inertization based on the use of silica gel extracted from rice husk ash and microwave treatment. <i>Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems</i> , 2014 , 228, 27-32		6
163	Structural and Mechanical Characterization of Sustainable Composites Based on Recycled and Stabilized Fly Ash. <i>Materials</i> , 2014 , 7, 5920-5933	3.5	19
162	Surface Decoration of γ -Fe ₂ O ₃ Nanorods by CuO Via a Two-Step CVD/Sputtering Approach**. <i>Chemical Vapor Deposition</i> , 2014 , 20, 313-319		10
161	Two-phase Titania Nanotubes for Gas Sensing. <i>Procedia Engineering</i> , 2014 , 87, 176-179		7
160	Transparent front contact optimization in dye sensitized solar cells: use of cadmium stannate and titanium oxide by sputtering. <i>Thin Solid Films</i> , 2014 , 555, 18-20	2.2	9
159	A sustainable technology for Pb and Zn stabilization based on the use of only waste materials: A green chemistry approach to avoid chemicals and promote CO ₂ sequestration. <i>Chemical Engineering Journal</i> , 2014 , 253, 377-384	14.7	58
158	P-Type NiO Thin Films Prepared by Sputtering for Detection of Pollutants. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 121-125	0.2	2
157	Well-Ordered Titania Nanostructures for Gas Sensing. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 127-131		1
156	A new method to inertize incinerator toxic fly ash with silica from rice husk ash. <i>Environmental Chemistry Letters</i> , 2013 , 11, 329-333	13.3	37
155	Influence of temperature, voltage and hydrogen on the reversible transition of electrical conductivity in sol-gel grown nanocrystalline TiO ₂ thin film. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 1658-1663	2.1	11
154	An ultrathin TiO ₂ blocking layer on Cd stannate as highly efficient front contact for dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 16812-8	3.6	19
153	Metal fractionation in soils and assessment of environmental contamination in Vallecmonica, Italy. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 5067-75	5.1	58
152	Sensitive determination of the Young's modulus of thin films by polymeric microcantilevers. <i>Measurement Science and Technology</i> , 2013 , 24, 125603	2	12
151	Anodically grown nanocrystalline titania thin film for hydrogen gas sensors: A comparative study of planar and MAIM device configurations. <i>Sensors and Actuators B: Chemical</i> , 2013 , 188, 787-796	8.5	16
150	Synthesis of self-assembled chain-like ZnO nanostructures on stiff and flexible substrates. <i>CrystEngComm</i> , 2013 , 15, 2881	3.3	20
149	Inertisation of heavy metals in municipal solid waste incineration fly ash by means of colloidal silica: A synchrotron X-ray diffraction and absorption study. <i>RSC Advances</i> , 2013 , 3, 14339	3.7	21

148	Supported and Iron oxide nanomaterials by chemical vapor deposition: structure, morphology and magnetic properties. <i>CrystEngComm</i> , 2013 , 15, 1039-1042	3.3	35
147	One-way and two-way shape memory behaviour of semi-crystalline networks based on sol-gel cross-linked poly(ϵ -caprolactone). <i>Polymer</i> , 2013 , 54, 4253-4265	3.9	90
146	Columnar Fe ₂ O ₃ arrays via plasma-enhanced growth: Interplay of fluorine substitution and photoelectrochemical properties. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 14189-14199	6.7	61
145	Fluorine doped Fe ₂ O ₃ nanostructures by a one-pot plasma-assisted strategy. <i>RSC Advances</i> , 2013 , 3, 23762	3.7	25
144	Fly Ash Pollutants, Treatment and Recycling. <i>Environmental Chemistry for A Sustainable World</i> , 2013 , 103-213	0.8	11
143	Insights on Growth and Nanoscopic Investigation of Uncommon Iron Oxide Polymorphs. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 5454-5461	2.3	21
142	Processing and properties of polypropylene-based composites containing inertized fly ash from municipal solid waste incineration. <i>Journal of Applied Polymer Science</i> , 2013 , 130, n/a-n/a	2.9	8
141	Film forming properties of electrosprayed organic heterojunctions. <i>EPJ Applied Physics</i> , 2013 , 62, 30202	1.1	7
140	Young modulus and Poisson ratio measurements of TiO ₂ thin films deposited with Atomic Layer Deposition. <i>Surface and Coatings Technology</i> , 2012 , 206, 2459-2463	4.4	48
139	Sputtering deposition of amorphous cadmium stannate as transparent conducting oxide. <i>Thin Solid Films</i> , 2012 , 520, 2739-2744	2.2	11
138	Electrical resistivity of Ti _{1-x} N mixed oxide thin films deposited by atomic layer deposition. <i>Thin Solid Films</i> , 2012 , 520, 5151-5154	2.2	1
137	Two-way reversible shape memory behaviour of crosslinked poly(ϵ -caprolactone). <i>Polymer</i> , 2012 , 53, 1915-1924	3.9	130
136	Depth-resolved magnetization distribution in ultra thin films by soft X-ray resonant magnetic reflectivity. <i>European Physical Journal: Special Topics</i> , 2012 , 208, 177-187	2.3	9
135	Tremor, olfactory and motor changes in Italian adolescents exposed to historical ferro-manganese emission. <i>NeuroToxicology</i> , 2012 , 33, 687-96	4.4	167
134	Growth and Gas Sensing Properties of Self-Assembled Chain-Like ZnO Nanostructures. <i>Procedia Engineering</i> , 2012 , 47, 762-765		1
133	Fabrication of pure and Nb-doped TiO ₂ nanotubes and their functional properties. <i>Journal of Alloys and Compounds</i> , 2012 , 536, S488-S490	5.7	17
132	Airborne particulate matter (PM) filter analysis and modeling by total reflection X-ray fluorescence (TXRF) and X-ray standing wave (XSW). <i>Talanta</i> , 2012 , 89, 99-104	6.2	32
131	Inverse association of intellectual function with very low blood lead but not with manganese exposure in Italian adolescents. <i>Environmental Research</i> , 2012 , 118, 65-71	7.9	94

130	Use of colloidal silica to obtain a new inert from municipal solid waste incinerator (MSWI) fly ash: first results about reuse. <i>Clean Technologies and Environmental Policy</i> , 2012 , 14, 291-297	4.3	4 ¹
129	Fabrication and investigation of gas sensing properties of Nb-doped TiO ₂ nanotubular arrays. <i>Nanotechnology</i> , 2012 , 23, 235706	3.4	4 ⁶
128	Growth and gas sensing properties of self-assembled chain-like ZnO nanostructures 2012 ,		1
127	Heavy Metals in Soil and Salad in the Proximity of Historical Ferroalloy Emission. <i>Journal of Environmental Protection</i> , 2012 , 3, 374-385	0.6	24
126	Fabrication of TiO ₂ and TiO ₂ Nanotubular Arrays and Their Gas Sensing Properties. <i>Procedia Engineering</i> , 2011 , 25, 757-760		4
125	Local order and non-linear optical properties in bulk nanostructured niobiosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 1218-1222	3.9	5
124	A new non-destructive method for chemical analysis of particulate matter filters: the case of manganese air pollution in Vallecmonica (Italy). <i>Talanta</i> , 2011 , 84, 192-8	6.2	37
123	Microstructure and elastic properties of atomic layer deposited TiO ₂ anatase thin films. <i>Acta Materialia</i> , 2011 , 59, 2891-2900	8.4	29
122	Vertically aligned TiO ₂ nanotubes on plastic substrates for flexible solar cells. <i>Small</i> , 2011 , 7, 2437-42	11	18
121	Tailoring phase and composition at the nanoscale: atomic layer deposition of Zn _{1-x} Mg _x O thin films. <i>CrystEngComm</i> , 2011 , 13, 6621	3.3	8
120	Flexible dye sensitized solar cells using TiO ₂ nanotubes. <i>Energy and Environmental Science</i> , 2011 , 4, 3408	35.4	59
119	Strongly oriented Co ₃ O ₄ thin films on MgO(100) and MgAl ₂ O ₄ (100) substrates by PE-CVD. <i>CrystEngComm</i> , 2011 , 13, 3670	3.3	21
118	Polymer-grafted QCM chemical sensor and application to heavy metal ions real time detection. <i>Sensors and Actuators B: Chemical</i> , 2011 , 155, 539-544	8.5	51
117	Variability of physical characteristics of electro-sprayed poly(3-hexylthiophene) thin films. <i>Journal of Applied Physics</i> , 2011 , 110, 054515	2.5	16
116	A New Powder Filler, Obtained by Applying a New Technology for Fly Ash Inertisation Procedure. <i>Advances in Science and Technology</i> , 2010 , 62, 27-33	0.1	13
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