

# Elza Bontempi

## List of Publications by Citations

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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	Tremor, olfactory and motor changes in Italian adolescents exposed to historical ferro-manganese emission. <i>NeuroToxicology</i> , <b>2012</b> , 33, 687-96	4.4	167
272	Synthesis and photocatalytic application of visible-light active $\alpha\text{-Fe}_2\text{O}_3/\text{g-C}_3\text{N}_4$ hybrid nanocomposites. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 187, 171-180	21.8	157
271	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> , <b>2018</b> , 635, 526-542	10.2	145
270	Review of fly ash inertisation treatments and recycling. <i>Environmental Chemistry Letters</i> , <b>2014</b> , 12, 153-153	5.3	138
269	Two-way reversible shape memory behaviour of crosslinked poly( $\epsilon$ -caprolactone). <i>Polymer</i> , <b>2012</b> , 53, 1915-1924	3.9	130
268	First data analysis about possible COVID-19 virus airborne diffusion due to air particulate matter (PM): The case of Lombardy (Italy). <i>Environmental Research</i> , <b>2020</b> , 186, 109639	7.9	119
267	Characterization of a polymeric adsorbed coating for DNA microarray glass slides. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 1352-8	7.8	117
266	Inverse association of intellectual function with very low blood lead but not with manganese exposure in Italian adolescents. <i>Environmental Research</i> , <b>2012</b> , 118, 65-71	7.9	94
265	One-way and two-way shape memory behaviour of semi-crystalline networks based on sol-gel cross-linked poly( $\epsilon$ -caprolactone). <i>Polymer</i> , <b>2013</b> , 54, 4253-4265	3.9	90
264	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> , <b>2017</b> , 162, 162-169	10.3	87
263	$\text{Fe}_2\text{O}_3/\text{TiO}_2$ Nano-heterostructure Photoanodes for Highly Efficient Solar Water Oxidation. <i>Advanced Materials Interfaces</i> , <b>2015</b> , 2, 1500313	4.6	83
262	A sustainable bioplastic obtained from rice straw. <i>Journal of Cleaner Production</i> , <b>2018</b> , 200, 357-368	10.3	80
261	Medicinal plants: Treasure trove for green synthesis of metallic nanoparticles and their biomedical applications. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2020</b> , 24, 101518	4.2	79
260	The europe second wave of COVID-19 infection and the Italy "strange" situation. <i>Environmental Research</i> , <b>2021</b> , 193, 110476	7.9	75
259	Understanding COVID-19 diffusion requires an interdisciplinary, multi-dimensional approach. <i>Environmental Research</i> , <b>2020</b> , 188, 109814	7.9	74
258	Recycling of pre-stabilized municipal waste incinerator fly ash and soda-lime glass into sintered glass-ceramics. <i>Journal of Cleaner Production</i> , <b>2015</b> , 89, 224-230	10.3	73
257	A new method for municipal solid waste incinerator (MSWI) fly ash inertization, based on colloidal silica. <i>Journal of Environmental Monitoring</i> , <b>2010</b> , 12, 2093-9		71

256	Subcellular localization of a cysteine proteinase from <i>Trypanosoma cruzi</i> . <i>Molecular and Biochemical Parasitology</i> , <b>1989</b> , 33, 43-7	1.9	70
255	Vapor Phase Processing of Fe <sub>2</sub> O <sub>3</sub> Photoelectrodes for Water Splitting: An Insight into the Structure/Property Interplay. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 8667-76	9.5	68
254	Legal situation and current practice of waste incineration bottom ash utilisation in Europe. <i>Waste Management</i> , <b>2020</b> , 102, 868-883	8.6	66
253	Neurofunctional dopaminergic impairment in elderly after lifetime exposure to manganese. <i>NeuroToxicology</i> , <b>2014</b> , 45, 309-17	4.4	61
252	Columnar Fe <sub>2</sub> O <sub>3</sub> arrays via plasma-enhanced growth: Interplay of fluorine substitution and photoelectrochemical properties. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 14189-14199	6.7	61
251	Flexible dye sensitized solar cells using TiO <sub>2</sub> nanotubes. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 3408-354	35.4	59
250	Metal fractionation in soils and assessment of environmental contamination in Vallecabonica, Italy. <i>Environmental Science and Pollution Research</i> , <b>2013</b> , 20, 5067-75	5.1	58
249	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 <sub>2</sub> sequestration. <i>Chemical Engineering Journal</i> , <b>2014</b> , 253, 377-384	14.7	58
248	X-ray diffraction Debye Ring Analysis for Stress measurement (DRAST): a new method to evaluate residual stresses. <i>Acta Materialia</i> , <b>2004</b> , 52, 583-589	8.4	58
247	Tailoring the pore size and architecture of CeO <sub>2</sub> /TiO <sub>2</sub> core/shell inverse opals by atomic layer deposition. <i>Small</i> , <b>2009</b> , 5, 336-40	11	56
246	Waste silica sources as heavy metal stabilizers for municipal solid waste incineration fly ash. <i>Arabian Journal of Chemistry</i> , <b>2017</b> , 10, S3676-S3681	5.9	55
245	Thermomechanical behavior of surface acoustic waves in ordered arrays of nanodisks studied by near-infrared pump-probe diffraction experiments. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	55
244	Total reflection of x-ray fluorescence (TXRF): a mature technique for environmental chemical nanoscale metrology. <i>Measurement Science and Technology</i> , <b>2009</b> , 20, 084027	2	53
243	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> , <b>2016</b> , 4, 5561-5569	8.3	53
242	Niobium-titanium oxide powders obtained by laser-induced synthesis: Microstructure and structure evolution from diffraction data. <i>Journal of Materials Research</i> , <b>1998</b> , 13, 1644-1649	2.5	52
241	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. <i>Environmental Research</i> , <b>2020</b> , 188, 109775	7.9	51
240	Polymer-grafted QCM chemical sensor and application to heavy metal ions real time detection. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 155, 539-544	8.5	51
239	Zero-waste approach in municipal solid waste incineration: Reuse of bottom ash to stabilize fly ash. <i>Journal of Cleaner Production</i> , <b>2020</b> , 245, 118779	10.3	51

238	Sol-gel TiO <sub>2</sub> and W/TiO <sub>2</sub> nanostructured thin films for control of drunken driving. <i>Sensors and Actuators B: Chemical</i> , <b>2002</b> , 83, 230-237	8.5	50
237	Young modulus and Poisson ratio measurements of TiO <sub>2</sub> thin films deposited with Atomic Layer Deposition. <i>Surface and Coatings Technology</i> , <b>2012</b> , 206, 2459-2463	4.4	48
236	Fabrication and investigation of gas sensing properties of Nb-doped TiO(2) nanotubular arrays. <i>Nanotechnology</i> , <b>2012</b> , 23, 235706	3.4	46
235	Surface reactivity of nanostructured tin oxide and Pt-doped tin oxide as studied by EPR and XPS spectroscopies. <i>Materials Science and Engineering C</i> , <b>2001</b> , 15, 167-169	8.3	46
234	CVD of Lanthanum Oxyfluoride-Based Thin Films from a Lanthanum $\beta$ -Diketonate Diglyme Precursor. <i>Chemical Vapor Deposition</i> , <b>2005</b> , 11, 426-432		44
233	New model for magnetism in ultrathin fcc Fe on Cu(001). <i>Physical Review Letters</i> , <b>2009</b> , 103, 267202	7.4	43
232	Pt-functionalized Fe <sub>2</sub> O <sub>3</sub> photoanodes for solar water splitting: the role of hematite nano-organization and the platinum redox state. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 12899-907 <sup>3.6</sup>		42
231	Total reflection X-ray fluorescence as a tool for food screening. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2015</b> , 113, 1-15	3.1	42
230	Morphology and microstructural properties of TiO <sub>2</sub> nanopowders doped with trivalent Al and Ga cations. <i>Journal of Materials Research</i> , <b>2000</b> , 15, 2080-2086	2.5	42
229	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> , <b>2012</b> , 14, 291-297	4.3	41
228	Nanostructured Pt-Doped Tin Oxide Films: Sol-Gel Preparation, Spectroscopic and Electrical Characterization. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 4355-4361	9.6	41
227	Cr-inserted TiO <sub>2</sub> thin films for chemical gas sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 128, 312-319 <sup>5</sup>	1.5	40
226	Solar H <sub>2</sub> generation via ethanol photoreforming on Fe <sub>2</sub> O <sub>3</sub> nanorod arrays activated by Ag and Au nanoparticles. <i>RSC Advances</i> , <b>2014</b> , 4, 32174	3.7	38
225	A new method to inertize incinerator toxic fly ash with silica from rice husk ash. <i>Environmental Chemistry Letters</i> , <b>2013</b> , 11, 329-333	13.3	37
224	A new non-destructive method for chemical analysis of particulate matter filters: the case of manganese air pollution in Vallecmonica (Italy). <i>Talanta</i> , <b>2011</b> , 84, 192-8	6.2	37
223	Depth magnetization profile of a perpendicular exchange coupled system by soft-x-ray resonant magnetic reflectivity. <i>Physical Review Letters</i> , <b>2008</b> , 100, 157202	7.4	37
222	Reproducibility in X-ray reflectometry: results from the first world-wide round-robin experiment. <i>Journal of Applied Crystallography</i> , <b>2008</b> , 41, 143-152	3.8	36
221	Correlation between crystallite sizes and microstrains in TiO <sub>2</sub> nanopowders. <i>Journal of Crystal Growth</i> , <b>1999</b> , 198-199, 516-520	1.6	36

220	Tailoring the textured surface of porous nanostructured NiO thin films for the detection of pollutant gases. <i>Thin Solid Films</i> , <b>2015</b> , 583, 233-238	2.2	35
219	Supported and Iron oxide nanomaterials by chemical vapor deposition: structure, morphology and magnetic properties. <i>CrystEngComm</i> , <b>2013</b> , 15, 1039-1042	3.3	35
218	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> , <b>2017</b> , 141, 230-236	10.3	35
217	Ce 5d magnetic profile in Fe/Ce multilayers for the and like Ce phases by x-ray resonant magnetic scattering. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	35
216	Miniaturized Near-Infrared (MicroNIR) Spectrometer in Plastic Waste Sorting. <i>Materials</i> , <b>2019</b> , 12,	3.5	34
215	Use of total reflection X-ray fluorescence (TXRF) for the evaluation of heavy metal poisoning due to the improper use of a traditional ayurvedic drug. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2010</b> , 52, 787-90	3.5	34
214	Structural study of LaNixFe1-xO3 prepared from precursor salts. <i>Journal of the European Ceramic Society</i> , <b>2003</b> , 23, 2135-2142	6	34
213	Nanocrystalline SnO2-Based Thin Films Obtained by Sol-Gel Route: A Morphological and Structural Investigation. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 2646-2650	9.6	34
212	Glancing-incidence X-ray diffraction for depth profiling of polycrystalline layers. <i>Journal of Applied Crystallography</i> , <b>2006</b> , 39, 176-179	3.8	33
211	Novel selective ethanol sensors: W/TiO2 thin films by sol-gel spin-coating. <i>Sensors and Actuators B: Chemical</i> , <b>2003</b> , 93, 495-502	8.5	33
210	Airborne particulate matter (PM) filter analysis and modeling by total reflection X-ray fluorescence (TXRF) and X-ray standing wave (XSW). <i>Talanta</i> , <b>2012</b> , 89, 99-104	6.2	32
209	Novel coronavirus disease 2019 (COVID-19) pandemic: From transmission to control with an interdisciplinary vision. <i>Environmental Research</i> , <b>2021</b> , 197, 111126	7.9	31
208	MAPLE deposition of biomaterial multilayers. <i>Applied Surface Science</i> , <b>2008</b> , 254, 7143-7148	6.7	30
207	The first sustainable material designed for air particulate matter capture: An introduction to Azure Chemistry. <i>Journal of Environmental Management</i> , <b>2018</b> , 218, 355-362	7.9	29
206	Microstructure and elastic properties of atomic layer deposited TiO2 anatase thin films. <i>Acta Materialia</i> , <b>2011</b> , 59, 2891-2900	8.4	29
205	Residual stress analysis of thin films and coatings through XRD2 experiments. <i>Thin Solid Films</i> , <b>2004</b> , 450, 143-147	2.2	29
204	Biomaterial thin film deposition and characterization by means of MAPLE technique. <i>Materials Science and Engineering C</i> , <b>2007</b> , 27, 1185-1190	8.3	28
203	Can electron paramagnetic resonance measurements predict the electrical sensitivity of SnO2-based film?. <i>Applied Magnetic Resonance</i> , <b>2002</b> , 22, 89-100	0.8	28

202	Analysis of settled dust with X-ray Fluorescence for exposure assessment of metals in the province of Brescia, Italy. <i>Journal of Environmental Monitoring</i> , <b>2009</b> , 11, 1579-85		27
201	A simple solution to systematic errors in density determination by X-ray reflectivity: The XRR-density evaluation (XRR-DE) method. <i>Applied Surface Science</i> , <b>2006</b> , 253, 28-32	6.7	27
200	Elemental analysis of tree leaves by total reflection X-ray fluorescence: New approaches for air quality monitoring. <i>Chemosphere</i> , <b>2017</b> , 178, 504-512	8.4	26
199	Sewage sludge ash recovery as valuable raw material for chemical stabilization of leachable heavy metals. <i>Journal of Environmental Management</i> , <b>2019</b> , 245, 464-470	7.9	26
198	Study of ancient mortars from the Roman Villa of Pollio Felice in Sorrento (Naples). <i>Applied Physics A: Materials Science and Processing</i> , <b>2004</b> , 79, 341-345	2.6	26
197	Biosafe inertization of municipal solid waste incinerator residues by COSMOS technology. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 279, 311-21	12.8	25
196	Fluorine doped Fe <sub>2</sub> O <sub>3</sub> nanostructures by a one-pot plasma-assisted strategy. <i>RSC Advances</i> , <b>2013</b> , 3, 23762	3.7	25
195	International trade as critical parameter of COVID-19 spread that outclasses demographic, economic, environmental, and pollution factors. <i>Environmental Research</i> , <b>2021</b> , 201, 111514	7.9	25
194	A New Porous Hybrid Material Derived From Silica Fume and Alginate for Sustainable Pollutants Reduction. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 60	5	24
193	A plasma-assisted approach for the controlled dispersion of CuO aggregates into Iron(III) oxide matrices. <i>CrystEngComm</i> , <b>2014</b> , 16, 8710-8716	3.3	24
192	Highly conductive titanium oxide nanotubes chemical sensors. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 208, 165-170	5.3	24
191	Heavy Metals in Soil and Salad in the Proximity of Historical Ferroalloy Emission. <i>Journal of Environmental Protection</i> , <b>2012</b> , 3, 374-385	0.6	24
190	Large surface area biphasic titania for chemical sensing. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 209, 1091-1096	8.5	23
189	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> , <b>2017</b> , 24, 14834-14846	5.1	23
188	Structure and crystallization of potassium titanium phosphate glasses containing B <sub>2</sub> O <sub>3</sub> and SiO <sub>2</sub> . <i>Journal of Non-Crystalline Solids</i> , <b>2003</b> , 324, 208-219	3.9	23
187	Comparison between rice husk ash grown in different regions for stabilizing fly ash from a solid waste incinerator. <i>Journal of Environmental Management</i> , <b>2015</b> , 159, 128-134	7.9	22
186	Elemental analysis of teas, herbs and their infusions by means of total reflection X-ray fluorescence. <i>Journal of Food Composition and Analysis</i> , <b>2018</b> , 67, 128-134	4.1	22
185	Comprehensive approach to the validation of the standard method for total reflection X-ray fluorescence analysis of water. <i>Talanta</i> , <b>2018</b> , 181, 165-171	6.2	22

184	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> , <b>2021</b> , 282, 111966	7.9	22
183	Stabilized biomass ash as a sustainable substitute for commercial P-fertilizers. <i>Land Degradation and Development</i> , <b>2018</b> , 29, 2199-2207	4.4	21
182	Inertisation of heavy metals in municipal solid waste incineration fly ash by means of colloidal silica by a synchrotron X-ray diffraction and absorption study. <i>RSC Advances</i> , <b>2013</b> , 3, 14339	3.7	21
181	Insights on Growth and Nanoscopic Investigation of Uncommon Iron Oxide Polymorphs. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 5454-5461	2.3	21
180	Total reflection X-ray fluorescence (TXRF) for direct analysis of aerosol particle samples. <i>Environmental Technology (United Kingdom)</i> , <b>2010</b> , 31, 467-77	2.6	21
179	Strongly oriented Co <sub>3</sub> O <sub>4</sub> thin films on MgO(100) and MgAl <sub>2</sub> O <sub>4</sub> (100) substrates by PE-CVD. <i>CrystEngComm</i> , <b>2011</b> , 13, 3670	3.3	21
178	Growing ZnO Nanocrystals on Polystyrene Nanospheres by Extra-Low-Temperature Atomic Layer Deposition. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 1258-1259	3.5	21
177	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. <i>Environmental Research</i> , <b>2021</b> , 201, 111529	7.9	21
176	Synthesis of self-assembled chain-like ZnO nanostructures on stiff and flexible substrates. <i>CrystEngComm</i> , <b>2013</b> , 15, 2881	3.3	20
175	An ultrathin TiO <sub>2</sub> blocking layer on Cd stannate as highly efficient front contact for dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 16812-8	3.6	19
174	Structural and Mechanical Characterization of Sustainable Composites Based on Recycled and Stabilized Fly Ash. <i>Materials</i> , <b>2014</b> , 7, 5920-5933	3.5	19
173	The two-way shape memory behaviour of crosslinked poly( $\epsilon$ -caprolactone) systems with largely varied network density. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2016</b> , 27, 1388-1403	2.3	18
172	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> , <b>2019</b> , 34, 930-939	3.7	18
171	Review of the Reuse Possibilities Concerning Ash Residues from Thermal Process in a Medium-Sized Urban System in Northern Italy. <i>Sustainability</i> , <b>2020</b> , 12, 4193	3.6	18
170	TXRF analysis of soils and sediments to assess environmental contamination. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 13208-14	5.1	18
169	Interplay of thickness and photoelectrochemical properties in nanostructured $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2015</b> , 212, 1501-1507	1.6	18
168	Vertically aligned TiO <sub>2</sub> nanotubes on plastic substrates for flexible solar cells. <i>Small</i> , <b>2011</b> , 7, 2437-42	11	18
167	Mo influence on SnO <sub>2</sub> thin films properties. <i>Thin Solid Films</i> , <b>2002</b> , 418, 16-20	2.2	18

166	The first material made for air pollution control able to sequestrate fine and ultrafine air particulate matter. <i>Sustainable Cities and Society</i> , <b>2020</b> , 53, 101961	10.1	18
165	Beyond waste: new sustainable fillers from fly ashes stabilization, obtained by low cost raw materials. <i>Heliyon</i> , <b>2016</b> , 2, e00163	3.6	18
164	Increased Sustainability of Carbon Dioxide Mineral Sequestration by a Technology Involving Fly Ash Stabilization. <i>Materials</i> , <b>2019</b> , 12,	3.5	17
163	Total reflection X-Ray fluorescence spectroscopy to study Pb and Zn accumulation in zebrafish embryos. <i>X-Ray Spectrometry</i> , <b>2015</b> , 44, 124-128	0.9	17
162	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> , <b>2015</b> , 8, 6868-6879	3.5	17
161	Fabrication of pure and NbTiO <sub>2</sub> nanotubes and their functional properties. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 536, S488-S490	5.7	17
160	Glancing-incidence X-ray diffraction of Ag nanoparticles in gold lustre decoration of Italian Renaissance pottery. <i>Applied Physics A: Materials Science and Processing</i> , <b>2006</b> , 83, 543-546	2.6	17
159	Study of sulphation of Candoglia marble by means of micro X-ray diffraction experiments. <i>Applied Physics A: Materials Science and Processing</i> , <b>2006</b> , 83, 689-694	2.6	17
158	Structural characterization of sol-gel lanthanum cobaltite thin films. <i>Crystal Engineering</i> , <b>2002</b> , 5, 291-298		17
157	SUNSPACE, A Porous Material to Reduce Air Particulate Matter (PM). <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 5345		17
156	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> , <b>2013</b> , 188, 787-796	8.5	16
155	Variability of physical characteristics of electro-sprayed poly(3-hexylthiophene) thin films. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 054515	2.5	16
154	Structure and interface properties of Mo/B <sub>4</sub> C/Si multilayers deposited by rf-magnetron sputtering. <i>Applied Surface Science</i> , <b>2004</b> , 238, 262-268	6.7	16
153	Influence of annealing on Co/Au multilayers: a structural and magnetic study. <i>Thin Solid Films</i> , <b>2003</b> , 428, 102-106	2.2	16
152	Bottom ash derived from municipal solid waste and sewage sludge co-incineration: First results about characterization and reuse. <i>Waste Management</i> , <b>2020</b> , 116, 147-156	8.6	16
151	Surface treatment of nanoporous silicon with noble metal ions and characterizations. <i>Applied Surface Science</i> , <b>2010</b> , 256, 4231-4240	6.7	15
150	Modeling of glancing incidence X-ray for depth profiling of thin layers. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2007</b> , 62, 554-557	3.1	15
149	Melting of nanostructured Sn probed by in-situ x-ray diffraction. <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 1400-1403	3.9	15

148	Variation of optical band gap in anodically grown nanocrystalline ZnO thin films at room temperatureEffect of electrolyte concentrations. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2009</b> , 20, 1203-1207	2.1	14
147	Rubbing effects on the structural and optical properties of poly(3-hexylthiophene) films. <i>Journal Physics D: Applied Physics</i> , <b>2010</b> , 43, 035103	3	14
146	Micro X-ray fluorescence as a potential technique to monitor in-situ air pollution. <i>Mikrochimica Acta</i> , <b>2008</b> , 161, 301-305	5.8	14
145	Effects of ion bombardment and gas incorporation on the properties of Mo/a-Si:H multilayers for EUV applications. <i>Surface and Coatings Technology</i> , <b>2003</b> , 174-175, 40-48	4.4	14
144	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> , <b>2022</b> , 203, 111839	7.9	14
143	Evaluation of Heavy Metals Contamination from Environment to Food Matrix by TXRF: The Case of Rice and Rice Husk. <i>Journal of Chemistry</i> , <b>2015</b> , 2015, 1-12	2.3	13
142	A New Powder Filler, Obtained by Applying a New Technology for Fly Ash Inertisation Procedure. <i>Advances in Science and Technology</i> , <b>2010</b> , 62, 27-33	0.1	13
141	Elastic and magnetic dynamics of nanomagnet-ordered arrays impulsively excited by subpicosecond laser pulses. <i>Physical Review Letters</i> , <b>2006</b> , 97, 217201	7.4	13
140	Ion beam analysis and Raman characterisation of coatings deposited by cosputtering carbon and chromium in a closed field unbalanced magnetron sputter ion plating system. <i>Surface and Coatings Technology</i> , <b>1999</b> , 116-119, 580-584	4.4	13
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