

Anna Maria Ferrari

List of Publications by Year in descending order

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72
papers

2,452
citations

159358

30
h-index

214527

47
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74
all docs

74
docs citations

74
times ranked

2787
citing authors

#	ARTICLE	IF	CITATIONS
1	Industry 4.0 real-world testing of dynamic organizational life cycle assessment (O-LCA) of a ceramic tile manufacturer. <i>Environmental Science and Pollution Research</i> , 2023, 30, 124546-124565.	2.7	3
2	Social Organizational Life Cycle Assessment (SO-LCA) and Organization 4.0: An easy-to-implement method. <i>MethodsX</i> , 2022, 9, 101692.	0.7	4
3	Life cycle assessment of wheat husk based agro-concrete block. <i>Journal of Cleaner Production</i> , 2022, 349, 131437.	4.6	9
4	Dynamic life cycle assessment (LCA) integrating life cycle inventory (LCI) and Enterprise resource planning (ERP) in an industry 4.0 environment. <i>Journal of Cleaner Production</i> , 2021, 286, 125314.	4.6	71
5	Environmental Safety of the 180-W GreenLight Laser: A Pilot Study On Plume And Irrigating Fluids. <i>Urology</i> , 2021, 154, 227-232.	0.5	0
6	Management of Asbestos Containing Materials: A Detailed LCA Comparison of Different Scenarios Comprising First Time Asbestos Characterization Factor Proposal. <i>Environmental Science & Technology</i> , 2021, 55, 12672-12682.	4.6	7
7	Industry 4.0 and Smart Data as Enablers of the Circular Economy in Manufacturing: Product Re-Engineering with Circular Eco-Design. <i>Sustainability</i> , 2021, 13, 10366.	1.6	24
8	Dimensionality reduced robust ordinal regression applied to life cycle assessment. <i>Expert Systems With Applications</i> , 2021, 178, 115021.	4.4	10
9	Industry 4.0-based dynamic Social Organizational Life Cycle Assessment to target the social circular economy in manufacturing. <i>Journal of Cleaner Production</i> , 2021, 327, 129439.	4.6	34
10	Life cycle assessment of a ceramic glaze containing copper slags and its application on ceramic tile. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 42-54.	1.1	5
11	Opportune inward waste materials toward a zero waste ceramic slabs production in a circular economy perspective. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 32-41.	1.1	3
12	Valorization of seasonal agri-food leftovers through insects. <i>Science of the Total Environment</i> , 2020, 709, 136209.	3.9	54
13	Environmental sustainability of orthopedic devices produced with powder bed fusion. <i>Journal of Industrial Ecology</i> , 2020, 24, 681-694.	2.8	10
14	Environmental life cycle assessment of the recycling processes of waste plastics recovered by landfill mining. <i>Waste Management</i> , 2020, 118, 68-78.	3.7	21
15	Social Life-Cycle Assessment: A Review by Bibliometric Analysis. <i>Sustainability</i> , 2020, 12, 6211.	1.6	66
16	Life Cycle Assessment of Chemical vs Enzymatic-Assisted Extraction of Proteins from Black Soldier Fly Prepupae for the Preparation of Biomaterials for Potential Agricultural Use. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 14752-14764.	3.2	16
17	Sustainability Transition in Industry 4.0 and Smart Manufacturing with the Triple-Layered Business Model Canvas. <i>Sustainability</i> , 2020, 12, 2364.	1.6	87
18	Main Dimensions in the Building of the Circular Supply Chain: A Literature Review. <i>Sustainability</i> , 2020, 12, 2459.	1.6	80

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19	Life cycle assessment of an innovative cogeneration system based on the aluminum combustion with water. <i>Renewable Energy</i> , 2020, 154, 532-541.	4.3	16
20	Environmental and social impact assessment of cultural heritage restoration and its application to the Uncastillo Fortress. <i>International Journal of Life Cycle Assessment</i> , 2019, 24, 1297-1318.	2.2	22
21	Identifying the Equilibrium Point between Sustainability Goals and Circular Economy Practices in an Industry 4.0 Manufacturing Context Using Eco-Design. <i>Social Sciences</i> , 2019, 8, 241.	0.7	81
22	Building a Sustainability Benchmarking Framework of Ceramic Tiles Based on Life Cycle Sustainability Assessment (LCSA). <i>Resources</i> , 2019, 8, 11.	1.6	55
23	Sustainability as source of competitive advantages in mature sectors. <i>Smart and Sustainable Built Environment</i> , 2019, 8, 53-79.	2.2	22
24	Preparation for reuse activity of waste electrical and electronic equipment: Environmental performance, cost externality and job creation. <i>Journal of Cleaner Production</i> , 2019, 222, 77-89.	4.6	50
25	E-LCA of Two Microwave Absorbers Obtained from Slag of Copper Primary Production. <i>Waste and Biomass Valorization</i> , 2019, 10, 733-745.	1.8	6
26	Improving sustainable cultural heritage restoration work through life cycle assessment based model. <i>Journal of Cultural Heritage</i> , 2018, 32, 221-231.	1.5	33
27	The Paradigms of Industry 4.0 and Circular Economy as Enabling Drivers for the Competitiveness of Businesses and Territories: The Case of an Italian Ceramic Tiles Manufacturing Company. <i>Social Sciences</i> , 2018, 7, 255.	0.7	147
28	USING BLACK SOLDIER FLIES (HERMETIA ILLUCENS) TO BIOCONVERT WASTE FROM THE LIVESTOCK PRODUCTION CHAIN: A LIFE CYCLE ASSESSMENT CASE STUDY. <i>WIT Transactions on Ecology and the Environment</i> , 2018, , .	0.0	5
29	Environmental sustainability assessment of a new degreasing formulation for the tanning cycle within leather manufacturing. <i>Green Chemistry</i> , 2017, 19, 4571-4582.	4.6	13
30	Environmental and human health assessment of life cycle of nanoTiO ₂ functionalized porcelain stoneware tile. <i>Science of the Total Environment</i> , 2017, 577, 113-121.	3.9	21
31	Human health characterization factors of nano-TiO ₂ for indoor and outdoor environments. <i>International Journal of Life Cycle Assessment</i> , 2016, 21, 1452-1462.	2.2	32
32	Waste treatment: an environmental, economic and social analysis with a new group fuzzy PROMETHEE approach. <i>Clean Technologies and Environmental Policy</i> , 2016, 18, 1317-1332.	2.1	55
33	Phytochemical compounds or their synthetic counterparts? A detailed comparison of the quantitative environmental assessment for the synthesis and extraction of curcumin. <i>Green Chemistry</i> , 2016, 18, 1807-1818.	4.6	20
34	Nano-TiO ₂ Coatings for Limestone: Which Sustainability for Cultural Heritage?. <i>Coatings</i> , 2015, 5, 232-245.	1.2	35
35	Environmental assessment of a bottom-up hydrolytic synthesis of TiO ₂ nanoparticles. <i>Green Chemistry</i> , 2015, 17, 518-531.	4.6	54
36	The life cycle approach as an innovative methodology for the recovery and restoration of cultural heritage. <i>Journal of Cultural Heritage Management and Sustainable Development</i> , 2014, 4, 133-148.	0.5	23

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37	Crystallization of some modified fluor-misericite $K_x(\text{Ca,Ce})_5\text{Si}_8\text{O}_{22}\text{F}_2$ glasses. Materials Chemistry and Physics, 2014, 147, 113-119.	2.0	2
38	Life cycle assessment of a large, thin ceramic tile with advantageous technological properties. International Journal of Life Cycle Assessment, 2014, 19, 1567-1580.	2.2	28
39	Reaction sintering and microstructural evolution in metakaolin-metastable alumina composites. Journal of Thermal Analysis and Calorimetry, 2014, 117, 1035-1045.	2.0	15
40	CoAl_2O_4 Nano Pigment Obtained by Combustion Synthesis. International Journal of Applied Ceramic Technology, 2012, 9, 968-978.	1.1	33
41	Life cycle assessment of advertising folders. International Journal of Life Cycle Assessment, 2012, 17, 625-634.	2.2	6
42	The Liquidus Temperature of Nuclear Waste Glasses: An International Round-Robin Study. International Journal of Applied Glass Science, 2011, 2, 321-333.	1.0	9
43	Recycling of Screen Glass Into New Traditional Ceramic Materials. International Journal of Applied Ceramic Technology, 2010, 7, 909-917.	1.1	36
44	Characterization of Rice Husk Ash and Its Recycling as Quartz Substitute for the Production of Ceramic Glazes. Journal of the American Ceramic Society, 2010, 93, 121-126.	1.9	39
45	Structure, Sintering, and Crystallization Kinetics of Alkaline-Earth Aluminosilicate Glass-Ceramic Sealants for Solid Oxide Fuel Cells. Journal of the American Ceramic Society, 2010, 93, 830-837.	1.9	36
46	Sintering and crystallization behavior of $\text{CaMgSi}_2\text{O}_6$ - $\text{NaFeSi}_2\text{O}_6$ based glass-ceramics. Journal of Applied Physics, 2009, 106, .	1.1	7
47	Room-Temperature Degradation of $\text{Zr}(\text{Pr})\text{O}_2$ in an Aqueous Suspension Revealed by Perturbed Angular Correlations. Journal of the American Ceramic Society, 2008, 91, 2357-2359.	1.9	0
48	Synthesis of Zirconia Nanoparticles in a Continuous-Flow Microwave Reactor. Journal of the American Ceramic Society, 2008, 91, 3746-3748.	1.9	25
49	Effect of rice husk ash (RHA) in the synthesis of $(\text{Pr,Zr})\text{SiO}_4$ ceramic pigment. Journal of the European Ceramic Society, 2007, 27, 3483-3488.	2.8	52
50	Recycling of EOL CRT glass into ceramic glaze formulations and its environmental impact by LCA approach. International Journal of Life Cycle Assessment, 2007, 12, 448-454.	2.2	41
51	The effect of fired scrap addition on the sintering behaviour of hard porcelain. Ceramics International, 2006, 32, 727-732.	2.3	32
52	Poly(μ -caprolactone)-based nanocomposites: Influence of compatibilization on properties of poly(μ -caprolactone)-silica nanocomposites. Composites Science and Technology, 2006, 66, 886-894.	3.8	70
53	Synthesis of silica nanoparticles in a continuous-flow microwave reactor. Powder Technology, 2006, 167, 45-48.	2.1	61
54	Microwave-Hydrothermal Synthesis and Hyperfine Characterization of Praseodymium-Doped Nanometric Zirconia Powders. Journal of the American Ceramic Society, 2005, 88, 633-638.	1.9	42

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55	The Anorthite-Diopside System: Structural and Devitrification Study, Part I: Structural Characterization by Molecular Dynamic Simulations. <i>Journal of the American Ceramic Society</i> , 2005, 88, 714-718.	1.9	8
56	New Glass-Ceramic Inclusion Pigment. <i>Journal of the American Ceramic Society</i> , 2005, 88, 1070-1071.	1.9	22
57	Conventional and Microwave-Hydrothermal Synthesis of TiO ₂ Nanopowders. <i>Journal of the American Ceramic Society</i> , 2005, 88, 2639-2641.	1.9	111
58	The Anorthite-Diopside System: Structural and Devitrification Study. Part II: Crystallinity Analysis by the Rietveld-RIR Method. <i>Journal of the American Ceramic Society</i> , 2005, 88, 3131-3136.	1.9	38
59	A new glass-ceramic red pigment. <i>Journal of the European Ceramic Society</i> , 2004, 24, 3593-3601.	2.8	27
60	Hyperfine Characterization of Metastable Tetragonal Configurations in Pr-Doped Zirconias. <i>Chemistry of Materials</i> , 2004, 16, 4319-4323.	3.2	9
61	Effect of V ₂ O ₅ addition on the crystallisation of glasses belonging to the CaO-ZrO ₂ -SiO ₂ system. <i>Journal of Non-Crystalline Solids</i> , 2003, 315, 77-88.	1.5	25
62	Role of Praseodymium on Zirconia Phases Stabilization. <i>Chemistry of Materials</i> , 2001, 13, 4550-4554.	3.2	30
63	An Additional Structural and Electrical Study of Polymeric Haloplumbates(II) with Heterocyclic Diprotonated Amines. <i>Inorganic Chemistry</i> , 2001, 40, 218-223.	1.9	51
64	Properties/Structure Relationships in Innovative PCL-SiO ₂ Nanocomposites. <i>Macromolecular Symposia</i> , 2001, 169, 201-210.	0.4	3
65	Microwave-Hydrothermal Synthesis of Nanocrystalline Zirconia Powders. <i>Journal of the American Ceramic Society</i> , 2001, 84, 2728-2730.	1.9	82
66	Hyperfine Characterization of Pure and Doped Zircons. <i>Journal of Solid State Chemistry</i> , 2000, 150, 14-18.	1.4	16
67	Environmental Scanning Electron Microscopy (ESEM) Investigation of the Reaction Mechanism in Praseodymium-Doped Zircon. <i>Journal of the American Ceramic Society</i> , 2000, 83, 1518-1520.	1.9	12
68	Reaction Mechanism in Alumina/Chromia (Al ₂ O ₃ -Cr ₂ O ₃) Solid Solutions Obtained by Coprecipitation. <i>Journal of the American Ceramic Society</i> , 2000, 83, 2036-2040.	1.9	89
69	Crystallization of (Na ₂ O-MgO)-CaO-Al ₂ O ₃ -SiO ₂ Glassy Systems Formulated from Waste Products. <i>Journal of the American Ceramic Society</i> , 2000, 83, 2515-2520.	1.9	73
70	Structural and Electrical Characterization of Polymeric Haloplumbate(II) Systems. <i>Inorganic Chemistry</i> , 1999, 38, 716-721.	1.9	55
71	Organic/inorganic composite materials: synthesis and properties of one-dimensional polymeric haloplumbate(II) systems. <i>Inorganica Chimica Acta</i> , 1997, 254, 137-143.	1.2	33
72	Feasibility of Using Cordierite Glass-Ceramics as Tile Glazes. <i>Journal of the American Ceramic Society</i> , 1997, 80, 1757-1766.	1.9	31