

# Pier Giorgio Schiavi

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

320  
citations

933447

10  
h-index

839539

18  
g-index

25  
all docs

25  
docs citations

25  
times ranked

353  
citing authors

#	ARTICLE	IF	CITATIONS
1	Full recycling of spent lithium ion batteries with production of core-shell nanowires//exfoliated graphite asymmetric supercapacitor. <i>Journal of Energy Chemistry</i> , 2021, 58, 336-344.	12.9	46
2	Optimizing the structure of Ni@Ni(OH) <sub>2</sub> /NiO core-shell nanowire electrodes for application in pseudocapacitors: The influence of metallic core, Ni(OH) <sub>2</sub> /NiO ratio and nanowire length. <i>Journal of Alloys and Compounds</i> , 2021, 856, 157718.	5.5	18
3	Valorization of polymeric fractions and metals from end of life photovoltaic panels. <i>Waste Management</i> , 2021, 122, 89-99.	7.4	9
4	Electrodeposited Copper Nanocatalysts for CO <sub>2</sub> Electroreduction: Effect of Electrodeposition Conditions on Catalysts' Morphology and Selectivity. <i>Energies</i> , 2021, 14, 5012.	3.1	5
5	Material Flux through an Innovative Recycling Process Treating Different Types of End-of-Life Photovoltaic Panels: Demonstration at Pilot Scale. <i>Energies</i> , 2021, 14, 5534.	3.1	4
6	Upcycling Real Waste Mixed Lithium-Ion Batteries by Simultaneous Production of rGO and Lithium-Manganese-Rich Cathode Material. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 13303-13311.	6.7	15
7	Two-Dimensional Restructuring of Cu <sub>2</sub> O Can Improve the Performance of Nanosized n-TiO <sub>2</sub> /p-Cu <sub>2</sub> O Photoelectrodes under UV-Visible Light. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 47932-47944.	8.0	14
8	Process Simulation for Li-MnO <sub>2</sub> Primary Battery Recycling: Cryo-Mechanical and Hydrometallurgical Treatments at Pilot Scale. <i>Energies</i> , 2020, 13, 4546.	3.1	1
9	Production of nanostructured electrodes from spent Lithium ion batteries and their application in new energy storage devices. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
10	Magnetic force microscopy characterization of core-shell cobalt-oxide/hydroxide nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 516, 167299.	2.3	5
11	TiO <sub>2</sub> nanotubes in lithium-ion batteries. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
12	Magnetic force microscopy characterization of cobalt nanoparticles: A preliminary study. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
13	Cryo-Mechanical Treatment and Hydrometallurgical Process for Recycling Li-MnO <sub>2</sub> Primary Batteries with the Direct Production of LiMnPO <sub>4</sub> Nanoparticles. <i>Energies</i> , 2020, 13, 4004.	3.1	3
14	Experimental Evidence of Single-Stranded DNA Adsorption on Multiwalled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2514-2525.	2.6	9
15	Electrochemical synthesis of nanowire anodes from spent lithium ion batteries. <i>Electrochimica Acta</i> , 2019, 319, 481-489.	5.2	25
16	Electrodeposition of cobalt nanoparticles: An analysis of the mechanisms behind the deviation from three-dimensional diffusion-control. <i>Journal of Electroanalytical Chemistry</i> , 2019, 851, 113413.	3.8	18
17	Ti/TiO <sub>2</sub> /Cu <sub>2</sub> O electrodes for photocatalytic applications: Synthesis and characterization. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	4
18	Electrochemical synthesis of nanowires electrodes and their application in energy storage devices. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2

#	ARTICLE	IF	CITATIONS
19	Recovery of Precious and Critical Raw Materials from End-of-Life Photovoltaic Panels. , 2019, , 281-298.		0
20	Electrodeposition of cobalt nanowires into alumina templates generated by one-step anodization. Electrochimica Acta, 2018, 259, 711-722.	5.2	33
21	Two electrodeposition strategies for the morphology-controlled synthesis of cobalt nanostructures. , 2018, , .		7
22	A versatile electrochemical method to synthesize Co-CoO core-shell nanowires anodes for lithium ion batteries with superior stability and rate capability. Electrochimica Acta, 2018, 290, 347-355.	5.2	18
23	Morphology-controlled synthesis of cobalt nanostructures by facile electrodeposition: transition from hexagonal nanoplatelets to nanoflakes. Electrochimica Acta, 2016, 220, 405-416.	5.2	42
24	Pulsed electrodeposition of cobalt nanoparticles on copper: influence of the operating parameters on size distribution and morphology. Electrochimica Acta, 2015, 155, 228-235.	5.2	42