

# Eider Goikolea

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

4,107  
citations

361045

20  
h-index

301761

39  
g-index

43  
all docs

43  
docs citations

43  
times ranked

6505  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review on supercapacitors: Technologies and materials. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 58, 1189-1206.	8.2	2,197
2	Materials for supercapacitors: When Li-ion battery power is not enough. <i>Materials Today</i> , 2018, 21, 419-436.	8.3	335
3	Na-ion Batteries Approaching Old and New Challenges. <i>Advanced Energy Materials</i> , 2020, 10, 2002055.	10.2	229
4	Chemically Induced Permanent Magnetism in Au, Ag, and Cu Nanoparticles: Localization of the Magnetism by Element Selective Techniques. <i>Nano Letters</i> , 2008, 8, 661-667.	4.5	220
5	Effect of pore texture on performance of activated carbon supercapacitor electrodes derived from olive pits. <i>Electrochimica Acta</i> , 2015, 160, 178-184.	2.6	144
6	Lithium and sodium ion capacitors with high energy and power densities based on carbons from recycled olive pits. <i>Journal of Power Sources</i> , 2017, 359, 17-26.	4.0	133
7	Reduced graphene oxide decorated with SnO <sub>2</sub> nanoparticles as negative electrode for lithium ion capacitors. <i>Electrochimica Acta</i> , 2018, 284, 542-550.	2.6	73
8	Scandium/Alkaline Metal Organic Frameworks: Adsorptive Properties and Ionic Conductivity. <i>Chemistry of Materials</i> , 2016, 28, 2519-2528.	3.2	68
9	Thin films of pure vanadium nitride: Evidence for anomalous non-faradaic capacitance. <i>Journal of Power Sources</i> , 2016, 324, 439-446.	4.0	67
10	One-pot synthesis of highly activated carbons from melamine and terephthalaldehyde as electrodes for high energy aqueous supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14619-14629.	5.2	58
11	Nanoporous carbons from natural lignin: study of structural textural properties and application to organic-based supercapacitors. <i>RSC Advances</i> , 2014, 4, 48336-48343.	1.7	50
12	Graphene-based lithium ion capacitor with high gravimetric energy and power densities. <i>Journal of Power Sources</i> , 2017, 363, 422-427.	4.0	49
13	Highly packed graphene-CNT films as electrodes for aqueous supercapacitors with high volumetric performance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3667-3673.	5.2	43
14	Preparation and Characterization of Monodisperse Fe <sub>3</sub> O <sub>4</sub> Nanoparticles: An Electron Magnetic Resonance Study. <i>Chemistry of Materials</i> , 2011, 23, 2879-2885.	3.2	38
15	High Performance Titanium Antimonide TiSb <sub>2</sub> Alloy for Na-Ion Batteries and Capacitors. <i>Chemistry of Materials</i> , 2018, 30, 8155-8163.	3.2	36
16	Electrochemical performance of NaFe (Ni <sub>0.5</sub> Ti <sub>0.5</sub> ) <sub>1-x</sub> O <sub>2</sub> (x=0.2 and x=0.4) cathode for sodium-ion battery. <i>Journal of Power Sources</i> , 2015, 273, 333-339.	4.0	35
17	Effect of the electrolytic solvent and temperature on aluminium current collector stability: A case of sodium-ion battery cathode. <i>Journal of Power Sources</i> , 2015, 297, 168-173.	4.0	33
18	Structural and electrochemical analysis of Zn doped Na <sub>3</sub> Ni <sub>2</sub> SbO <sub>6</sub> cathode for Na-ion battery. <i>Journal of Power Sources</i> , 2016, 336, 186-195.	4.0	33

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19	Effect of Mesopore Ordering in Otherwise Similar Micro/Mesoporous Carbons on the High-Rate Performance of Electric Double-Layer Capacitors. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27715-27720.	1.5	28
20	The decisive role of electrolyte concentration in the performance of aqueous chloride-based carbon/carbon supercapacitors with extended voltage window. <i>Electrochimica Acta</i> , 2016, 221, 177-183.	2.6	24
21	Outstanding room-temperature capacitance of biomass-derived microporous carbons in ionic liquid electrolyte. <i>Electrochemistry Communications</i> , 2017, 79, 5-8.	2.3	20
22	Fabrication of high-performance dual carbon Li-ion hybrid capacitor: mass balancing approach to improve the energy-power density and cycle life. <i>Scientific Reports</i> , 2020, 10, 10842.	1.6	20
23	Protic and Aprotic Ionic Liquids in Combination with Hard Carbon for Lithium-ion and Sodium-ion Batteries. <i>Batteries and Supercaps</i> , 2018, 1, 204-208.	2.4	19
24	Magnetic and structural characterization of silver-iron oxide nanoparticles obtained by the microemulsion technique. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 5216-5218.	1.5	13
25	Thiol-capped ferromagnetic Au nanoparticles investigated by Au L3 x-ray absorption spectroscopy. <i>Journal of Applied Physics</i> , 2009, 105, 07A907.	1.1	13
26	Magnetic and structural characterization of thiol capped ferromagnetic Ag nanoparticles. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	13
27	On the use of 3-cyanopropionic acid methyl ester as alternative solvent for high voltage dual carbon lithium ion capacitors. <i>Journal of Power Sources</i> , 2019, 434, 226757.	4.0	13
28	Relation between texture and high-rate capacitance of oppositely charged microporous carbons from biomass waste in acetonitrile-based supercapacitors. <i>Electrochimica Acta</i> , 2019, 293, 496-503.	2.6	13
29	Macroporous carbon monoliths derived from phloroglucinol-sucrose resins as binder-free thick electrodes for supercapacitors. <i>Journal of Materials Science</i> , 2017, 52, 11191-11200.	1.7	12
30	Novel Lithium-ion Capacitor Based on $\text{TiSb}_2$ as Negative Electrode: The Role of Mass Ratio towards High Energy-Power Densities and Long Cyclability. <i>Batteries and Supercaps</i> , 2019, 2, 153-159.	2.4	12
31	Graphene as Vehicle for Ultrafast Lithium Ion Capacitor Development Based on Recycled Olive Pit Derived Carbons. <i>Journal of the Electrochemical Society</i> , 2019, 166, A2840-A2848.	1.3	11
32	Robust $\text{NiCo}_2\text{O}_4$ /Superactivated Carbon Aqueous Supercapacitor with High Power Density and Stable Cyclability. <i>ChemElectroChem</i> , 2019, 6, 2536-2545.	1.7	11
33	Synthesis of nanosized $\text{MnO}_2$ prepared by the polyol method and its application in high power supercapacitors. <i>Materials for Renewable and Sustainable Energy</i> , 2013, 2, 1.	1.5	10
34	Evidence of intrinsic ferromagnetic behavior of thiol capped Au nanoparticles based on $^1\text{H}$ SR results. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 5210-5212.	1.5	9
35	Large-Scale Hydrothermal Synthesis of Hierarchical Mesoporous Carbon for High-Performance Supercapacitors. <i>Energy and Environment Focus</i> , 2015, 4, 201-208.	0.3	9
36	Ferromagnetism of polythiophene-capped Au nanoparticles. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	6

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37	Low-temperature electron paramagnetic resonance in silver-iron oxide nanoparticles. Journal of Non-Crystalline Solids, 2007, 353, 832-834.	1.5	5
38	A two-step process for preparation of dodecanethiol-capped Au nanoparticles with room-temperature spontaneous magnetization. New Journal of Chemistry, 2013, 37, 2628.	1.4	3
39	Mössbauer study of the crystallization products of a Fe <sub>75</sub> Zr <sub>25</sub> amorphous alloy. Hyperfine Interactions, 2007, 165, 161-165.	0.2	2
40	Effect of Organic Capping on the Magnetic Properties of Au Nanoparticles. Materials Science Forum, 2010, 654-656, 1174-1177.	0.3	0
41	Protic and Aprotic Ionic Liquids in Combination with Hard Carbon for Lithium-Ion and Sodium-Ion Batteries. Batteries and Supercaps, 2018, 1, 203-203.	2.4	0
42	Superkondentsadoreak: Energia Biltzeko Gailuak. Ekaia (journal), 0, , .	0.0	0