# Eider Goikolea

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5355670/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 42 papers | 4,107 citations | 361413 20 h-index | 302126 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. Renewable and Sustainable Energy Reviews, 2016, 58, 1189-1206. | 16.4 | 2,197 |
| 2 | Materials for supercapacitors: When Li-ion battery power is not enough. Materials Today, 2018, 21, 419-436. | 14.2 | 335 |
| 3 | Naâ€ion Batteriesâ€”Approaching Old and New Challenges. Advanced Energy Materials, 2020, 10, 2002055. | 19.5 | 229 |
| 4 | Chemically Induced Permanent Magnetism in Au, Ag, and Cu Nanoparticles:â€‰ Localization of the Magnetism by Element Selective Techniques. Nano Letters, 2008, 8, 661-667. | 9.1 | 220 |
| 5 | Effect of pore texture on performance of activated carbon supercapacitor electrodes derived from olive pits. Electrochimica Acta, 2015, 160, 178-184. | 5.2 | 144 |
| 6 | Lithium and sodium ion capacitors with high energy and power densities based on carbons from recycled olive pits. Journal of Power Sources, 2017, 359, 17-26. | 7.8 | 133 |
| 7 | Reduced graphene oxide decorated with SnO2 nanoparticles as negative electrode for lithium ion capacitors. Electrochimica Acta, 2018, 284, 542-550. | 5.2 | 73 |
| 8 | Scandium/Alkaline Metalâ€“Organic Frameworks: Adsorptive Properties and Ionic Conductivity. Chemistry of Materials, 2016, 28, 2519-2528. | 6.7 | 68 |
| 9 | Thin films of pure vanadium nitride: Evidence for anomalous non-faradaic capacitance. Journal of Power Sources, 2016, 324, 439-446. | 7.8 | 67 |
| 10 | One-pot synthesis of highly activated carbons from melamine and terephthalaldehyde as electrodes for high energy aqueous supercapacitors. Journal of Materials Chemistry A, 2017, 5, 14619-14629. | 10.3 | 58 |
| 11 | Nanoporous carbons from natural lignin: study of structuralâ€“textural properties and application to organic-based supercapacitors. RSC Advances, 2014, 4, 48336-48343. | 3.6 | 50 |
| 12 | Graphene-based lithium ion capacitor with high gravimetric energy and power densities. Journal of Power Sources, 2017, 363, 422-427. | 7.8 | 49 |
| 13 | Highly packed grapheneâ€“CNT films as electrodes for aqueous supercapacitors with high volumetric performance. Journal of Materials Chemistry A, 2018, 6, 3667-3673. | 10.3 | 43 |
| 14 | Preparation and Characterization of Monodisperse Fe<sub>3</sub>O<sub>4</sub> Nanoparticles: An Electron Magnetic Resonance Study. Chemistry of Materials, 2011, 23, 2879-2885. | 6.7 | 38 |
| 15 | High Performance Titanium Antimonide TiSb<sub>2</sub> Alloy for Na-Ion Batteries and Capacitors. Chemistry of Materials, 2018, 30, 8155-8163. | 6.7 | 36 |
| 16 | Electrochemical performance of NaFe (Ni0.5Ti0.5)1â^'O2 (xÂ=Â0.2 and xÂ=Â0.4) cathode for sodium-ion battery. Journal of Power Sources, 2015, 273, 333-339. | 7.8 | 35 |
| 17 | Effect of the electrolytic solvent and temperature on aluminium current collector stability: A case of sodium-ion battery cathode. Journal of Power Sources, 2015, 297, 168-173. | 7.8 | 33 |
| 18 | Structural and electrochemical analysis of Zn doped Na3Ni2SbO6 cathode for Na-ion battery. Journal of Power Sources, 2016, 336, 186-195. | 7.8 | 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. Journal of Physical Chemistry C, 2014, 118, 27715-27720. | 3.1 | 28 |
| 20 | The decisive role of electrolyte concentration in the performance of aqueous chloride-based carbon/carbon supercapacitors with extended voltage window. Electrochimica Acta, 2016, 221, 177-183. | 5.2 | 24 |
| 21 | Outstanding room-temperature capacitance of biomass-derived microporous carbons in ionic liquid electrolyte. Electrochemistry Communications, 2017, 79, 5-8. | 4.7 | 20 |
| 22 | Fabrication of high-performance dual carbon Li-ion hybrid capacitor: mass balancing approach to improve the energy-power density and cycle life. Scientific Reports, 2020, 10, 10842. | 3.3 | 20 |
| 23 | Protic and Aprotic Ionic Liquids in Combination with Hard Carbon for Lithiumâ€ion and Sodiumâ€ion Batteries. Batteries and Supercaps, 2018, 1, 204-208. | 4.7 | 19 |
| 24 | Magnetic and structural characterization of silver-iron oxide nanoparticles obtained by the microemulsion technique. Journal of Non-Crystalline Solids, 2008, 354, 5216-5218. | 3.1 | 13 |
| 25 | Thiol-capped ferromagnetic Au nanoparticles investigated by Au L3 x-ray absorption spectroscopy. Journal of Applied Physics, 2009, 105, 07A907. | 2.5 | 13 |
| 26 | Magnetic and structural characterization of thiol capped ferromagnetic Ag nanoparticles. Journal of Applied Physics, 2010, 107, . | 2.5 | 13 |
| 27 | On the use of 3-cyanopropionic acid methyl ester as alternative solvent for high voltage dual carbon lithium ion capacitors. Journal of Power Sources, 2019, 434, 226757. | 7.8 | 13 |
| 28 | Relation between texture and high-rate capacitance of oppositely charged microporous carbons from biomass waste in acetonitrile-based supercapacitors. Electrochimica Acta, 2019, 293, 496-503. | 5.2 | 13 |
| 29 | Macroporous carbon monoliths derived from phloroglucinolâ€“sucrose resins as binder-free thick electrodes for supercapacitors. Journal of Materials Science, 2017, 52, 11191-11200. | 3.7 | 12 |
| 30 | Novel Lithiumâ€ion Capacitor Based on TiSb<sub>2</sub> as Negative Electrode: The Role of Mass Ratio towards High Energyâ€toâ€Power Densities and Long Cyclability. Batteries and Supercaps, 2019, 2, 153-159. | 4.7 | 12 |
| 31 | Graphene as Vehicle for Ultrafast Lithium Ion Capacitor Development Based on Recycled Olive Pit Derived Carbons. Journal of the Electrochemical Society, 2019, 166, A2840-A2848. | 2.9 | 11 |
| 32 | Robust NiCo<sub>2</sub>O<sub>4</sub>/Superactivated Carbon Aqueous Supercapacitor with High Power Density and Stable Cyclability. ChemElectroChem, 2019, 6, 2536-2545. | 3.4 | 11 |
| 33 | Synthesis of nanosized MnO2 prepared by the polyol method and its application in high power supercapacitors. Materials for Renewable and Sustainable Energy, 2013, 2, 1. | 3.6 | 10 |
| 34 | Evidence of intrinsic ferromagnetic behavior of thiol capped Au nanoparticles based on Î¼SR results. Journal of Non-Crystalline Solids, 2008, 354, 5210-5212. | 3.1 | 9 |
| 35 | Large-Scale Hydrothermal Synthesis of Hierarchical Mesoporous Carbon for High-Performance Supercapacitors. Energy and Environment Focus, 2015, 4, 201-208. | 0.3 | 9 |
| 36 | Ferromagnetism of polythiophene-capped Au nanoparticles. Journal of Applied Physics, 2011, 109, . | 2.5 | 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. | 3.1 | 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. | 2.8 | 3 |
| 39 | MÃ¶ssbauer study of the crystallization products of a Fe75Zr25 amorphous alloy. Hyperfine Interactions, 2007, 165, 161-165. | 0.5 | 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. | 4.7 | 0 |
| 42 | Superkondentsadoreak: Energia Biltzeko Gailuak. Ekaia (journal), 0, , . | 0.0 | 0 |