# Tugrul Cetinkaya

List of Publications by Year
in descending order

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|---|---|---|---|
| 65<br>papers | 1,304<br>citations | 257450<br>24<br>h-index | 395702<br>33<br>g-index |
| 65<br>all docs | 65<br>docs citations | 65<br>times ranked | 1756<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Reduction of graphene oxide using Salvia Officinalis plant extract and its utilization for Li O2 batteries. Diamond and Related Materials, 2022, 126, 109118. | 3.9 | 6 |
| 2 | Biologically synthesized TiO2 nanoparticles and their application as lithium-air battery cathodes. Ceramics International, 2021, 47, 3994-4005. | 4.8 | 24 |
| 3 | Graphene-based nanocomposite cathodes architecture with palladium and Î±-MnO2 for high cycle life lithium-oxygen batteries. Journal of Alloys and Compounds, 2021, 854, 157293. | 5.5 | 10 |
| 4 | Urchin-like core-shell TiO2/Î±-MnO2 nanostructures as an active catalyst for rechargeable lithium-oxygen battery. Advanced Powder Technology, 2021, 32, 895-907. | 4.1 | 5 |
| 5 | Electrochemical investigation of PVDF: HFP gel polymer electrolytes for quasi-solid-state Li-O2 batteries: effect of lithium salt type and concentration. Electrochimica Acta, 2021, 371, 137824. | 5.2 | 29 |
| 6 | Enhancement of the electrochemical performance of free-standing graphene electrodes with manganese dioxide and ruthenium nanocatalysts for lithium-oxygen batteries. International Journal of Hydrogen Energy, 2021, 46, 17173-17186. | 7.1 | 3 |
| 7 | Prevention of side reactions with a unique carbon-free catalyst biosynthesized by a virus template for non-aqueous and quasi-solid-state Liâ€“O2 batteries. Journal of Power Sources, 2021, 509, 230374. | 7.8 | 11 |
| 8 | The vertically aligned graphene/graphite/PPy composites electrode and its PPy thickness-dependent electrochemical performance. Electrochimica Acta, 2021, 399, 139426. | 5.2 | 7 |
| 9 | 2Hâ€MoS<sub>2</sub> as an Artificial Solid Electrolyte Interface in Allâ€Solidâ€State Lithiumâ€“Sulfur Batteries. Advanced Materials Interfaces, 2020, 7, 2001020. | 3.7 | 23 |
| 10 | Sulfur doped Li<sub>1.3</sub>Al<sub>0.3</sub>Ti<sub>1.7</sub>(PO<sub>4</sub>)<sub>3</sub> solid electrolytes with enhanced ionic conductivity and a reduced activation energy barrier. Physical Chemistry Chemical Physics, 2020, 22, 17221-17228. | 2.8 | 33 |
| 11 | Electrical double layer supercapacitors based on graphene nanoplatelets electrodes in organic and aqueous electrolytes: Effect of binders and scalable performance. Journal of Power Sources, 2018, 408, 91-104. | 7.8 | 27 |
| 12 | Shoring Up the Lithium Ion Batteries with Multi-Component Silicon Yolk-Shell Anodes for Grid-Scale Storage Systems: Experimental and Computational Mechanical Studies. Journal of the Electrochemical Society, 2017, 164, A2238-A2250. | 2.9 | 17 |
| 13 | Freestanding graphene/MnO<sub>2</sub> cathodes for Li-ion batteries. Beilstein Journal of Nanotechnology, 2017, 8, 1932-1938. | 2.8 | 26 |
| 14 | Electrochemical performance of Alâ€“Ni/MWCNTs nanocomposite anode for Li-ion batteries: the effect of MWCNT amount. Journal of Applied Electrochemistry, 2016, 46, 735-743. | 2.9 | 5 |
| 15 | Improved Electrochemical Performance of Lithium Oxygen Batteries with N-methyl-2-pyrrolidone Based Composite Polymer Electrolytes. Journal of the Electrochemical Society, 2016, 163, A1326-A1335. | 2.9 | 9 |
| 16 | Closing to Scaling-Up High Reversible Si/rGO Nanocomposite Anodes for Lithium Ion Batteries. Electrochimica Acta, 2016, 216, 312-319. | 5.2 | 26 |
| 17 | Three-dimensional Sn rich Cu6Sn5 negative electrodes for Li ion batteries. International Journal of Hydrogen Energy, 2016, 41, 9819-9827. | 7.1 | 25 |
| 18 | The effect of sliding speed on the wear behavior of pulse electro Co-deposited Ni/MWCNT nanocomposite coatings. Tribology International, 2016, 98, 59-73. | 5.9 | 52 |

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|---|---|---|---|
| 19 | Synthesis of flexible pure graphene papers and utilization as free standing cathodes for lithium-air batteries. International Journal of Hydrogen Energy, 2016, 41, 9796-9802. | 7.1 | 20 |
| 20 | Electrolytic coating of Sn nano-rods on nickel foam support for high performance lithium ion battery anodes. Surface and Coatings Technology, 2016, 288, 62-68. | 4.8 | 23 |
| 21 | High stable Li-air battery cells by using PEO and PVDF additives in the TEGDME/LiPF6 electrolytes. International Journal of Hydrogen Energy, 2016, 41, 6954-6964. | 7.1 | 14 |
| 22 | Stability effect of some organic and inorganic additions in the EMITFSIâ€“LiTFSI nanocomposite electrolytes for lithium-air batteries. Microsystem Technologies, 2016, 22, 953-963. | 2.0 | 7 |
| 23 | High capacity Graphene/Î±-MnO2 nanocomposite cathodes for Liâ€“O2 batteries. International Journal of Hydrogen Energy, 2016, 41, 9746-9754. | 7.1 | 31 |
| 24 | Free standing flexible graphene oxide + Î±-MnO2 composite cathodes for Liâ€“Air batteries. Solid State Ionics, 2016, 286, 34-39. | 2.7 | 39 |
| 25 | Stability effect of polymer-based additives on EMITFSI-LiTFSI electrolyte in lithium-air battery. Solid State Ionics, 2016, 286, 51-56. | 2.7 | 12 |
| 26 | Graphene supported Î±-MnO2 nanocomposite cathodes for lithium ion batteries. International Journal of Hydrogen Energy, 2016, 41, 6945-6953. | 7.1 | 30 |
| 27 | Structural and sliding wear properties of Ag/Graphene/WC hybrid nanocomposites produced by electroless co-deposition. Journal of Alloys and Compounds, 2016, 654, 185-195. | 5.5 | 48 |
| 28 | Graphene Oxide/Î±-MnO2 Nanocomposite Electrodes Produced Using Planetary Ball Milling for Li-O2 Batteries. Materials Today: Proceedings, 2015, 2, 4223-4228. | 1.8 | 2 |
| 29 | Double Buffering Effect on the Electrochemical Behavior of Pulse Electro co-deposited Sn-Ni/MWCNT Nanocomposite Electrodes for Lithium-ion Batteries. Materials Today: Proceedings, 2015, 2, 4229-4238. | 1.8 | 3 |
| 30 | The effect of graphene content and sliding speed on the wear mechanism of nickelâ€“graphene nanocomposites. Applied Surface Science, 2015, 359, 340-348. | 6.1 | 137 |
| 31 | Active and inactive buffering effect on the electrochemical behavior of Snâ€“Ni/MWCNT composite anodes prepared by pulse electrodeposition for lithium-ion batteries. Journal of Alloys and Compounds, 2015, 645, 235-242. | 5.5 | 26 |
| 32 | Cr- and V-Substituted LiMn2O4 Cathode Electrode Materials for High-Rate Battery Applications. , 2015, , 41-56. | | 2 |
| 33 | Co-deposition of Cu/WC/graphene hybrid nanocomposites produced by electrophoretic deposition. Surface and Coatings Technology, 2015, 284, 344-352. | 4.8 | 30 |
| 34 | Fabrication of Snâ€“Ni/MWCNT composite coating for Li-ion batteries by pulse electrodeposition: Effects of duty cycle. Applied Surface Science, 2015, 334, 80-86. | 6.1 | 12 |
| 35 | Electrochemical performance of electroless nickel plated silicon electrodes for Li-ion batteries. Applied Surface Science, 2015, 334, 94-101. | 6.1 | 13 |
| 36 | High efficiency TiO<sub>2</sub>/MWCNT based anode electrodes for Li-ion batteries. International Journal of Energy Research, 2015, 39, 172-180. | 4.5 | 14 |

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|---|---|---|---|
| 37 | Preparation and Characterization of Copper Powders with Sn Coating by the Electroless Plating. Acta Physica Polonica A, 2015, 127, 1106-1108. | 0.5 | 3 |
| 38 | Si/Mo/MWCNT Nanocomposites for Lithium Ion Battery Applications. Acta Physica Polonica A, 2015, 127, 1048-1051. | 0.5 | 0 |
| 39 | Evaluation of Li-Air Batteries With EC-DEC Based Nanocomposite Electrolytes. Acta Physica Polonica A, 2015, 127, 1023-1025. | 0.5 | 0 |
| 40 | Thin Film Nanostructured ATO and ATO Based Composite Anodes for Li-Ion Batteries. Acta Physica Polonica A, 2014, 125, 296-298. | 0.5 | 0 |
| 41 | Nanocomposite ZnO:MWCNT Thin Films for Li-Ion Batteries Prepared via Reactive Magnetron Sputtering. Acta Physica Polonica A, 2014, 125, 319-321. | 0.5 | 2 |
| 42 | Characteristics and Electrochemical Performance of TiO<sub>2</sub>:MWCNT Nanocomposite Anodes for Li-Ion Batteries. Acta Physica Polonica A, 2014, 125, 322-324. | 0.5 | 1 |
| 43 | Cyclic Performance Study of Silicon/Carbon Nanotube Composite Anodes Using Electrochemical Impedance Spectroscopy. Acta Physica Polonica A, 2014, 125, 290-292. | 0.5 | 3 |
| 44 | Nanocomposite anodes for lithium-ion batteries based on Sno<sub>2</sub>on multiwalled carbon nanotubes. International Journal of Energy Research, 2014, 38, 487-498. | 4.5 | 36 |
| 45 | Highly Reversible Silicon/Carbon Nanofiber/Carbon Nanotube Nanocomposite Anodes for Lithium Ion Batteries. ECS Transactions, 2014, 63, 23-29. | 0.5 | 1 |
| 46 | Developing lithium ion battery silicon/cobalt core-shell electrodes for enhanced electrochemical properties. International Journal of Hydrogen Energy, 2014, 39, 21405-21413. | 7.1 | 20 |
| 47 | Improvement of electrochemical and structural properties of LiMn 2 O 4 spinel based electrode materials for Li-ion batteries. International Journal of Hydrogen Energy, 2014, 39, 21447-21460. | 7.1 | 30 |
| 48 | A different method for producing a flexible LiMn2O4/MWCNT composite electrode for lithium ion batteries. Journal of Applied Electrochemistry, 2014, 44, 209-214. | 2.9 | 20 |
| 49 | Production of Sn/MWCNT nanocomposite anodes by pulse electrodeposition for Li-ion batteries. Applied Surface Science, 2014, 290, 6-12. | 6.1 | 27 |
| 50 | Improvement cycleability of coreâ€“shell silicon/copper composite electrodes for Li-ion batteries by using electroless deposition of copper on silicon powders. Powder Technology, 2014, 253, 63-69. | 4.2 | 54 |
| 51 | Preparation of Snâ€“Co alloy electrode for lithium ion batteries by pulse electrodeposition. International Journal of Hydrogen Energy, 2014, 39, 21414-21419. | 7.1 | 26 |
| 52 | The effect of MWCNT reinforcing on the electrochemical performance of LiMn2O4/MWCNT nanocomposite cathodes. International Journal of Energy Research, 2014, 38, 509-517. | 4.5 | 15 |
| 53 | Production of Snâ€“Cu/MWCNT composite electrodes for Li-ion batteries by using electroless tin coating. Thin Solid Films, 2014, 572, 216-223. | 1.8 | 21 |
| 54 | Electrochemical performance of MWCNT reinforced ZnO anodes for Li-ion batteries. Microelectronic Engineering, 2014, 118, 54-60. | 2.4 | 28 |

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|---|---|---|---|
| 55 | A parametric study on the rapid synthesis of one dimensional (1D) Î±-MnO2 nanowires. Microelectronic Engineering, 2014, 126, 54-59. | 2.4 | 25 |
| 56 | Free-standing flexible graphene oxide paper electrode for rechargeable Liâ€“O2 batteries. Journal of Power Sources, 2014, 267, 140-147. | 7.8 | 59 |
| 57 | High capacity TiO2 anode materials for Li-ion batteries. Energy Conversion and Management, 2013, 72, 111-116. | 9.2 | 19 |
| 58 | Synthesis of nanostructured TiO2/SiO2 as an effective photocatalyst for degradation of acid orange. Applied Surface Science, 2013, 279, 384-390. | 6.1 | 56 |
| 59 | Enhancing electrochemical performance of silicon anodes by dispersing MWCNTs using planetary ball milling. Microelectronic Engineering, 2013, 108, 169-176. | 2.4 | 37 |
| 60 | Electrochemical Characterization of the Powder Silicon Anodes Reinforced with Graphite Using Planetary Ball Milling. Acta Physica Polonica A, 2013, 123, 393-395. | 0.5 | 6 |
| 61 | Novel Titanium Dioxide Based Nanocomposite Anodes for Li-Ion Batteries. Acta Physica Polonica A, 2013, 123, 390-392. | 0.5 | 1 |
| 62 | Preparation and Electrochemical Performance of ZnO Films as Anode Materials for Li-Ion Batteries. Acta Physica Polonica A, 2013, 123, 355-357. | 0.5 | 2 |
| 63 | Investigation of Tin Oxide Based Nanocomposites for Li-Ion Batteries. Acta Physica Polonica A, 2013, 123, 358-360. | 0.5 | 1 |
| 64 | Nanostructured Silicon Thin Film Electrodes for Li-Ion Batteries. Acta Physica Polonica A, 2013, 123, 380-382. | 0.5 | 6 |
| 65 | Synthesis and Characterization of Antimony Doped Tin Oxide Nanocomposites for Li-Ion Batteries. Acta Physica Polonica A, 2013, 123, 383-385. | 0.5 | 4 |