

Dino Tonti

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7295526/publications.pdf>

Version: 2024-02-01

64
papers

1,874
citations

331670

21
h-index

265206

42
g-index

65
all docs

65
docs citations

65
times ranked

3284
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Photochemically Grown Silver Nanoparticles with Wavelength-Controlled Size and Shape. Nano Letters, 2003, 3, 1565-1568. | 9.1 | 436 |
| 2 | Synthesis of High Quality Zinc Blende CdSe Nanocrystals. Journal of Physical Chemistry B, 2005, 109, 10533-10537. | 2.6 | 144 |
| 3 | Temperature effects on the spectral properties of colloidal CdSe nanodots, nanorods, and tetrapods. Applied Physics Letters, 2007, 90, 093104. | 3.3 | 139 |
| 4 | A high voltage solid state symmetric supercapacitor based on graphene-polyoxometalate hybrid electrodes with a hydroquinone doped hybrid gel-electrolyte. Journal of Materials Chemistry A, 2015, 3, 23483-23492. | 10.3 | 128 |
| 5 | Three-Dimensionally Ordered Macroporous Lithium Manganese Oxide for Rechargeable Lithium Batteries. Chemistry of Materials, 2008, 20, 4783-4790. | 6.7 | 89 |
| 6 | Spectral and dynamical characterization of multiexcitons in colloidal CdSe semiconductor quantum dots. Physical Review B, 2005, 71, . | 3.2 | 79 |
| 7 | On the Excitation Wavelength Dependence of the Luminescence Yield of Colloidal CdSe Quantum Dots. Nano Letters, 2004, 4, 2483-2487. | 9.1 | 67 |
| 8 | Spatial Distributions of Discharged Products of Lithium-Oxygen Batteries Revealed by Synchrotron X-ray Transmission Microscopy. Nano Letters, 2015, 15, 6932-6938. | 9.1 | 57 |
| 9 | Subpicosecond near-infrared fluorescence upconversion study of relaxation processes in PbSe quantum dots. Physical Review B, 2007, 76, . | 3.2 | 45 |
| 10 | Preparation and Photoelectrochemistry of Semiconducting WS ₂ Thin Films. Journal of Physical Chemistry B, 1997, 101, 2485-2490. | 2.6 | 43 |
| 11 | Organic radicals for the enhancement of oxygen reduction reaction in Li-O ₂ batteries. Chemical Communications, 2015, 51, 17623-17626. | 4.1 | 35 |
| 12 | Origin of the Electrochemical Potential in Intercalation Electrodes: An Experimental Estimation of the Electronic and Ionic Contributions for Na Intercalated into TiS ₂ . Journal of Physical Chemistry B, 2004, 108, 16093-16099. | 2.6 | 33 |
| 13 | Operando UV-visible spectroscopy evidence of the reactions of iodide as redox mediator in Li-O ₂ batteries. Electrochemistry Communications, 2015, 59, 24-27. | 4.7 | 32 |
| 14 | Architecture of Na-O ₂ battery deposits revealed by transmission X-ray microscopy. Nano Energy, 2017, 37, 224-231. | 16.0 | 32 |
| 15 | Simple Method to Relate Experimental Pore Size Distribution and Discharge Capacity in Cathodes for Li/O ₂ Batteries. Journal of Physical Chemistry C, 2014, 118, 20772-20783. | 3.1 | 31 |
| 16 | Role of Manganese in Lithium- and Manganese-Rich Layered Oxides Cathodes. Journal of Physical Chemistry Letters, 2019, 10, 3359-3368. | 4.6 | 29 |
| 17 | Potassium Salts as Electrolyte Additives in Lithium-Oxygen Batteries. Journal of Physical Chemistry C, 2017, 121, 3822-3829. | 3.1 | 28 |
| 18 | Ultrahigh energy density supercapacitors through a double hybrid strategy. Materials Today Energy, 2017, 5, 58-65. | 4.7 | 27 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Reactive laser synthesis of nitrogen-doped hybrid graphene-based electrodes for energy storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16074-16086. | 10.3 | 26 |
| 20 | Chemical Synthesis and Optical Properties of Size-Selected CdSe Tetrapod-Shaped Nanocrystals. <i>ChemPhysChem</i> , 2005, 6, 2505-2507. | 2.1 | 25 |
| 21 | Effects of architecture on the electrochemistry of binder-free inverse opal carbons as Li ⁺ air cathodes in an ionic liquid-based electrolyte. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14270. | 10.3 | 23 |
| 22 | Chemical vs. electrochemical extraction of lithium from the Li-excess Li _{1.10} Mn _{1.90} O ₄ spinel followed by NMR and DRX techniques. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 3282. | 2.8 | 20 |
| 23 | Influence of texture in hybrid carbon-phosphomolybdic acid materials on their performance as electrodes in supercapacitors. <i>Carbon</i> , 2017, 111, 74-82. | 10.3 | 18 |
| 24 | In-situ photoelectron spectroscopy study of a TiS ₂ thin film cathode in an operating Na intercalation electrochemical cell. <i>Ionics</i> , 2000, 6, 196-202. | 2.4 | 17 |
| 25 | Preparation of a Si(⁺):GaSe van der Waals surface termination by selenization of a monolayer Ga on Si(⁻). <i>Surface Science</i> , 2002, 515, 296-304. | 1.9 | 17 |
| 26 | Electronic passivation of Si(111) by Ga ⁺ Se half-sheet termination. <i>Applied Physics Letters</i> , 2002, 80, 1388-1390. | 3.3 | 16 |
| 27 | Discharge products of ionic liquid-based Li-O ₂ batteries observed by energy dependent soft x-ray transmission microscopy. <i>Journal of Power Sources</i> , 2017, 359, 234-241. | 7.8 | 16 |
| 28 | Exchange reaction between Li and Na intercalated into TiS ₂ . <i>Surface Science</i> , 1999, 436, 213-219. | 1.9 | 14 |
| 29 | Using polyoxometalates to enhance the capacity of lithium ⁺ oxygen batteries. <i>Chemical Communications</i> , 2018, 54, 9599-9602. | 4.1 | 14 |
| 30 | Linear dichroism of CdSe nanodots: Large anisotropy of the band-gap absorption induced by ground-state dipole moments. <i>Physical Review B</i> , 2008, 77, . | 3.2 | 13 |
| 31 | Mass ⁺ transport Control on the Discharge Mechanism in Li ⁺ O ₂ Batteries Using Carbon Cathodes with Varied Porosity. <i>ChemSusChem</i> , 2015, 8, 3465-3471. | 6.8 | 13 |
| 32 | Li/air Flow Battery Employing Ionic Liquid Electrolytes. <i>Energy Technology</i> , 2016, 4, 85-89. | 3.8 | 13 |
| 33 | Multimodal Distribution of Quantum Confinement in Ripened CdSe Nanocrystals. <i>Chemistry of Materials</i> , 2008, 20, 1331-1339. | 6.7 | 12 |
| 34 | In Situ Photoelectron Spectroscopy Study of a TiS ₂ Cathode in an Operating Battery System. <i>Electrochemical and Solid-State Letters</i> , 1999, 3, 220. | 2.2 | 11 |
| 35 | Interaction of Na and Cl ₂ on WSe ₂ (0001) surfaces. <i>Surface Science</i> , 1998, 402-404, 37-41. | 1.9 | 10 |
| 36 | Thin layer films of copper hexacyanoferrate: Structure identification and analytical applications. <i>Journal of Electroanalytical Chemistry</i> , 2018, 827, 10-20. | 3.8 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Combined Influence of Meso- and Macroporosity of Soft-Hard Templated Carbon Electrodes on the Performance of Li-O ₂ Cells with Different Configurations. <i>Nanomaterials</i> , 2019, 9, 810. | 4.1 | 9 |
| 38 | Iridium Oxide Redox Gradient Material: <i>Operando</i> X-ray Absorption of Ir Gradient Oxidation States during IrO _x Bipolar Electrochemistry. <i>Journal of Physical Chemistry C</i> , 2021, 125, 16629-16642. | 3.1 | 9 |
| 39 | Electrochemical growth of two-dimensional tin nano-platelet as high-performance anode material in lithium-ion batteries. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 84, 120-130. | 5.8 | 8 |
| 40 | Carbons derived from alcohol-treated bacterial cellulose with optimal porosity for Li-O ₂ batteries. <i>Renewable Energy</i> , 2021, 177, 209-215. | 8.9 | 8 |
| 41 | Na and Cl ₂ Interaction on it and 2H-TaSe ₂ (0001) Surfaces. <i>Surface Review and Letters</i> , 1998, 05, 997-1005. | 1.1 | 7 |
| 42 | A SYNCHROTRON RADIATION STUDY OF THE FORMATION OF Cu _x Se _y AND Na _x Cu _y Se _z THIN FILMS ON Cu SUBSTRATES: Cl ₂ -INDUCED OUT-DIFFUSION OF Na. <i>Surface Review and Letters</i> , 2000, 07, 235-242. | 1.1 | 7 |
| 43 | Influence of the Preparation Temperature on the Photocatalytic Activity of 3D-Ordered Macroporous Anatase Formed with an Opal Polymer Template. <i>ACS Applied Nano Materials</i> , 2018, 1, 2567-2578. | 5.0 | 7 |
| 44 | Soft X-ray Transmission Microscopy on Lithium-Rich Layered-Oxide Cathode Materials. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2791. | 2.5 | 6 |
| 45 | Cesium deintercalation by Li or Na deposited on 1T-TaSe ₂ (0001) surfaces. <i>Applied Surface Science</i> , 1999, 147, 101-106. | 6.1 | 5 |
| 46 | Local Interactions Governing the Performances of Lithium- and Manganese-Rich Cathodes. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1195-1201. | 4.6 | 5 |
| 47 | Alkali displacements in intercalated 1T-TaSe ₂ . <i>Ionics</i> , 1998, 4, 93-100. | 2.4 | 4 |
| 48 | MEASUREMENT METHODS Electronic and Chemical Properties: X-Ray Photoelectron Spectroscopy. , 2009, , 673-695. | | 4 |
| 49 | Redox Properties of Ordered Macroporous Ce-Zr Mixed Oxides. <i>Journal of the Electrochemical Society</i> , 2010, 157, B1499. | 2.9 | 4 |
| 50 | Tailoring oxygen redox reactions in ionic liquid based Li/O ₂ batteries by means of the Li ⁺ dopant concentration. <i>Sustainable Energy and Fuels</i> , 2018, 2, 118-124. | 4.9 | 4 |
| 51 | Surface Science Investigations of Intercalation Reactions with Layered Metal Dichalcogenides. , 2002, , 289-354. | | 4 |
| 52 | INTERACTION BETWEEN Li AND Na INTERCALATED INTO 1T-TaSe ₂ LAYER COMPOUNDS. <i>Surface Review and Letters</i> , 1999, 06, 205-211. | 1.1 | 3 |
| 53 | Synchrotron radiation studies of transition metal selenide thin-films formation on Ti, Mo and Cu substrates: in and out diffusion of Li. <i>Thin Solid Films</i> , 2001, 389, 307-314. | 1.8 | 3 |
| 54 | Organic Polyradicals as Redox Mediators: Effect of Intramolecular Radical Interactions on Their Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 45968-45975. | 8.0 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Photoelectrochemistry of the insertion compounds Na_xInSe and Li_xInSe . <i>Solid State Ionics</i> , 1996, 92, 55-63. | 2.7 | 2 |
| 56 | Synchrotron radiation studies on the growth of TSe_2 (T=Ta, Ti) thin films on Ta substrates: intercalation and de-intercalation of Na. <i>Applied Surface Science</i> , 2000, 161, 347-354. | 6.1 | 2 |
| 57 | Redox Properties of Ordered Macroporous Ce-Zr Mixed Oxides. <i>ECS Transactions</i> , 2009, 25, 1573-1582. | 0.5 | 2 |
| 58 | Studies of Lithium-Oxygen Battery Electrodes by Energy- Dependent Full-Field Transmission Soft X-Ray Microscopy. , 2017, , . | | 2 |
| 59 | Quantification of charge compensation in lithium- and manganese-rich Li-ion cathode materials by x-ray spectroscopies. <i>Materials Today Physics</i> , 2022, 24, 100687. | 6.0 | 2 |
| 60 | A Synchrotron Radiation Study of the Formation of Cu_xSe_y and $\text{Na}_x\text{Cu}_y\text{Se}_z$ Thin Films on Cu Substrates; Cl_2 -Induced Out-Diffusion of Na. <i>Surface Review and Letters</i> , 2000, 7, 235-242. | 1.1 | 1 |
| 61 | Single-Step Electrochemical Liquid-Liquid-Solid-Assisted Growth of Ge-Sn Nanostructures as a Long-Life Anode Material with Boosted Areal Capacity. <i>ACS Applied Energy Materials</i> , 2022, 5, 5589-5602. | 5.1 | 1 |
| 62 | Facile preparation of glycine-based mesoporous graphitic carbons with embedded cobalt nanoparticles. <i>Journal of Materials Science</i> , 0, , . | 3.7 | 1 |
| 63 | Surface Science Investigations of Intercalation Reactions with Layered Metal Dichalcogenides. <i>ChemInform</i> , 2003, 34, no. | 0.0 | 0 |
| 64 | Femtosecond polarization relaxation in CdSe nanocrystals. <i>AIP Conference Proceedings</i> , 2007, , . | 0.4 | 0 |