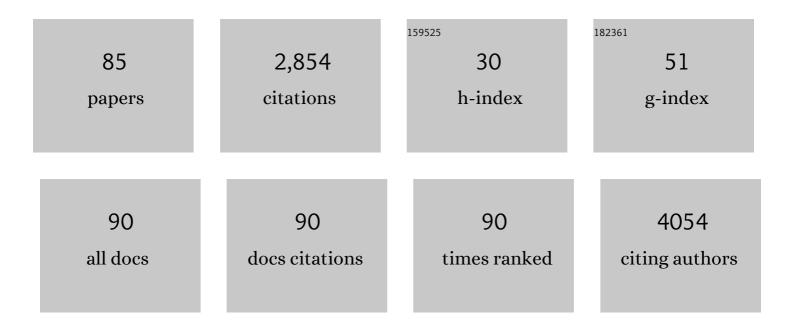
List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Design Considerations for Unconventional Electrochemical Energy Storage Architectures. Advanced Energy Materials, 2015, 5, 1402115. | 10.2 | 271 |
| 2 | Paintable Battery. Scientific Reports, 2012, 2, 481. | 1.6 | 144 |
| 3 | A perspective on organic electrode materials and technologies for next generation batteries. Journal of Power Sources, 2021, 482, 228814. | 4.0 | 140 |
| 4 | Roll up nanowire battery from silicon chips. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15168-15173. | 3.3 | 118 |
| 5 | Conjugated sulfonamides as a class of organic lithium-ion positive electrodes. Nature Materials, 2021, 20, 665-673. | 13.3 | 110 |
| 6 | A H-bond stabilized quinone electrode material for Li–organic batteries: the strength of weak bonds. Chemical Science, 2019, 10, 418-426. | 3.7 | 108 |
| 7 | A TiSe ₂ â€Graphite Dual Ion Battery: Fast Naâ€ion Insertion and Excellent Stability. Angewandte Chemie - International Edition, 2021, 60, 18430-18437. | 7.2 | 102 |
| 8 | Chemically anchored liquid-PEO based block copolymer electrolytes for solid-state lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 11839-11846. | 5.2 | 78 |
| 9 | Grafting of a redox polymer onto carbon nanotubes for high capacity battery materials. Journal of Materials Chemistry A, 2015, 3, 8832-8839. | 5.2 | 77 |
| 10 | Single-ion diblock copolymers for solid-state polymer electrolytes. Polymer, 2015, 68, 344-352. | 1.8 | 71 |
| 11 | Porous materials get energized. Nature Materials, 2017, 16, 161-162. | 13.3 | 66 |
| 12 | Towards Allâ€Organic Fieldâ€Effect Transistors by Additive Soft Lithography. Small, 2009, 5, 1117-1122. | 5.2 | 59 |
| 13 | Meltâ€Polymerization of TEMPO Methacrylates with Nano Carbons Enables Superior Battery Materials. ChemSusChem, 2015, 8, 1692-1696. | 3.6 | 59 |
| 14 | Graphene-coated holey metal films: Tunable molecular sensing by surface plasmon resonance. Applied Physics Letters, 2013, 102, . | 1.5 | 58 |
| 15 | Exploring the potential of polymer battery cathodes with electrically conductive molecular backbone. Journal of Materials Chemistry A, 2015, 3, 11189-11193. | 5.2 | 58 |
| 16 | Synthesis of nitroxide ontaining block copolymers for the formation of organic cathodes. Journal of Polymer Science Part A, 2013, 51, 101-108. | 2.5 | 56 |
| 17 | An Electrically Conducting Li-Ion Metal–Organic Framework. Journal of the American Chemical Society, 2021, 143, 11641-11650. | 6.6 | 50 |
| 18 | Surface Coating Mediated Swelling and Fracture of Silicon Nanowires during Lithiation. ACS Nano, 2014. 8. 9427-9436. | 7.3 | 48 |

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|----|--|------|-----------|
| 19 | Micellar Cathodes from Selfâ€Assembled Nitroxideâ€Containing Block Copolymers in Battery Electrolytes. Macromolecular Rapid Communications, 2014, 35, 228-233. | 2.0 | 45 |
| 20 | Organic Negative Electrode Materials for Metalâ€ion and Molecularâ€ion Batteries: Progress and Challenges from a Molecular Engineering Perspective. Advanced Energy Materials, 2021, 11, 2101562. | 10.2 | 44 |
| 21 | Mechanochemical Synthesis of PEDOT:PSS Hydrogels for Aqueous Formulation of Li-Ion Battery Electrodes. ACS Applied Materials & amp; Interfaces, 2017, 9, 34865-34874. | 4.0 | 43 |
| 22 | A new design of organic radical batteries (ORBs): carbon nanotube buckypaper electrode functionalized by electrografting. Chemical Communications, 2015, 51, 9301-9304. | 2.2 | 40 |
| 23 | Nanowireâ€Decorated Microscale Metallic Electrodes. Small, 2008, 4, 557-560. | 5.2 | 39 |
| 24 | Through-Space Charge Modulation Overriding Substituent Effect: Rise of the Redox Potential at 3.35 V in a Lithium-Phenolate Stereoelectronic Isomer. Chemistry of Materials, 2020, 32, 9996-10006. | 3.2 | 39 |
| 25 | Miscibility between Differently Shaped Mesogens: Structural and Morphological Study of a Phthalocyanine-Perylene Binary System. Journal of Physical Chemistry B, 2009, 113, 5448-5457. | 1.2 | 37 |
| 26 | Functionalized Nanoporous Thin Films From Photocleavable Block Copolymers. Macromolecular Rapid Communications, 2012, 33, 199-205. | 2.0 | 37 |
| 27 | Controlled growth of single nanowires within a supported alumina template. Nanotechnology, 2006, 17, 4873-4876. | 1.3 | 36 |
| 28 | Wavelength-scale lens microscopy via thermal reshaping of colloidal particles. Nanotechnology, 2012, 23, 285708. | 1.3 | 36 |
| 29 | A High-Voltage Organic Framework for High-Performance Na- and K-Ion Batteries. ACS Energy Letters, 2022, 7, 668-674. | 8.8 | 34 |
| 30 | Direct Transcription of Twoâ€Dimensional Colloidal Crystal Arrays into Threeâ€Dimensional Photonic Crystals. Advanced Functional Materials, 2013, 23, 1164-1171. | 7.8 | 33 |
| 31 | Amine-functionalized nanoporous thin films from a poly(ethylene oxide)-block-polystyrene diblock copolymer bearing a photocleavable o-nitrobenzyl carbamate junction. Soft Matter, 2012, 8, 4486. | 1.2 | 32 |
| 32 | Electroactive polymer/carbon nanotube hybrid materials for energy storage synthesized via a "grafting to―approach. RSC Advances, 2017, 7, 17301-17310. | 1.7 | 30 |
| 33 | Three-dimensional microsupercapacitors based on interdigitated patterns of interconnected nanowire networks. Energy Storage Materials, 2019, 21, 77-84. | 9.5 | 29 |
| 34 | Highly Ordered Conjugated Polymer Nanoarchitectures with Three-Dimensional Structural Control. Nano Letters, 2009, 9, 2838-2843. | 4.5 | 28 |
| 35 | Synthesis of polymer precursors of electroactive materials by SET-LRP. Polymer Chemistry, 2015, 6, 6067-6072. | 1.9 | 28 |
| 36 | Nanowires and nanostructures fabrication using template methods: a step forward to real devices combining electrochemical synthesis with lithographic techniques. Journal of Materials Science: Materials in Electronics, 2009, 20, 249-254. | 1.1 | 27 |

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| 37 | Three-dimensional interconnected Ni _{core} –NiO _{shell} nanowire networks for lithium microbattery architectures. Journal of Materials Chemistry A, 2016, 4, 1603-1607. | 5.2 | 27 |
| 38 | Nanowire-templated microelectrodes for high-sensitivity pH detection. Applied Physics Letters, 2009, 94, . | 1.5 | 26 |
| 39 | Nanostructured organic radical cathodes from self-assembled nitroxide-containing block copolymer thin films. Journal of Materials Chemistry A, 2015, 3, 19575-19581. | 5.2 | 26 |
| 40 | Lithium Diffusion in Copper. Journal of Physical Chemistry Letters, 2019, 10, 5206-5210. | 2.1 | 26 |
| 41 | Core-shell nanostructured organic redox polymer cathodes with superior performance. Nano Energy, 2019, 64, 103949. | 8.2 | 26 |
| 42 | Kinked Silicon Nanowires: Superstructures by Metal-Assisted Chemical Etching. Nano Letters, 2019, 19, 7681-7690. | 4.5 | 24 |
| 43 | Redox-controlled upper critical solution temperature behaviour of a nitroxide containing polymer in alcohol–water mixtures. Polymer Chemistry, 2016, 7, 1088-1095. | 1.9 | 22 |
| 44 | High Salt-Content Plasticized Flame-Retardant Polymer Electrolytes. ACS Applied Materials & Interfaces, 2021, 13, 44844-44859. | 4.0 | 22 |
| 45 | Synthesis of an original fluorinated triethylene glycol methacrylate monomer and its radical copolymerisation with vinylidene fluoride. Its application as a gel polymer electrolyte for Li-ion batteries. Polymer Chemistry, 2015, 6, 6021-6028. | 1.9 | 20 |
| 46 | Mechanochemical assembly of 3D mesoporous conducting-polymer aerogels for high performance hybrid electrochemical energy storage. Nano Energy, 2017, 41, 193-200. | 8.2 | 20 |
| 47 | Kinked silicon nanowires-enabled interweaving electrode configuration for lithium-ion batteries. Scientific Reports, 2018, 8, 9794. | 1.6 | 20 |
| 48 | Structural and Charge-Transport Properties of a Liquid-Crystalline α,ω-Disubstituted Thiophene Derivative: A Joint Experimental and Theoretical Study. Journal of Physical Chemistry C, 2010, 114, 4617-4627. | 1.5 | 18 |
| 49 | Functionalized Nanoporous Thin Films From Blends of Block Copolymers and Homopolymers Interacting via Hydrogen Bonding. Macromolecular Chemistry and Physics, 2012, 213, 2075-2080. | 1.1 | 17 |
| 50 | A facile and fast electrochemical route to produce functional few-layer graphene sheets for lithium battery anode application. Journal of Materials Chemistry A, 2014, 2, 15298-15302. | 5.2 | 17 |
| 51 | One-pot synthesis of electro-active polymer gels via Cu(0)-mediated radical polymerization and click chemistry. Polymer Chemistry, 2017, 8, 441-450. | 1.9 | 17 |
| 52 | On the Reliability of Sodium Metal Anodes: The Influence of Neglected Parameters. Journal of the Electrochemical Society, 2019, 166, A3122-A3131. | 1.3 | 17 |
| 53 | Hybrid LiMn2O4–radical polymer cathodes for pulse power delivery applications. Electrochimica Acta, 2017, 255, 442-448. | 2.6 | 16 |
| 54 | Phendione–Transitionâ€Metal Complexes with Bipolar Redox Activity for Lithium Batteries. ChemSusChem, 2020, 13, 2225-2231. | 3.6 | 16 |

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| 55 | Mixed Anionic and Cationic Redox Chemistry in a Tetrathiomolybdate Amorphous Coordination Framework. Angewandte Chemie - International Edition, 2020, 59, 16579-16586. | 7.2 | 15 |
| 56 | Design of Flexible and Self‣tanding Electrodes for Liâ€lon Batteries. Chinese Journal of Chemistry, 2017, 35, 41-47. | 2.6 | 14 |
| 57 | Versatile Synthesis of Vanadium(III, IV, V) Oxides@Reduced Graphene Oxide Nanocomposites and Evaluation of their Lithium and Sodium Storage Performances. Batteries and Supercaps, 2019, 2, 1016-1025. | 2.4 | 14 |
| 58 | Negative Redox Potential Shift in Fire-Retardant Electrolytes and Consequences for High-Energy Hybrid Batteries. ACS Applied Energy Materials, 2019, 2, 7879-7885. | 2.5 | 14 |
| 59 | On the improved electrochemistry of hybrid conducting-redox polymer electrodes. Scientific Reports, 2017, 7, 4847. | 1.6 | 12 |
| 60 | Femtogramâ€Controlled Synthesis and Selfâ€Aligned Fabrication of Polyaniline Micro―and Nanostructures. Small, 2010, 6, 627-632. | 5.2 | 10 |
| 61 | Probing Graphene χ ⁽²⁾ Using a Gold Photon Sieve. Nano Letters, 2016, 16, 48-54. | 4.5 | 10 |
| 62 | Empowering magnesium. Nature Energy, 2020, 5, 945-946. | 19.8 | 9 |
| 63 | MIMC reliability and electrical behavior defined by a physical layer property of the dielectric. Microelectronics Reliability, 2008, 48, 1553-1556. | 0.9 | 8 |
| 64 | Low-power dihexylquaterthiophene-based thin film transistors for analog applications. Applied Physics Letters, 2008, 92, . | 1.5 | 7 |
| 65 | Vertical Nanowire Architectures: Statistical Processing of Porous Templates Towards Discrete Nanochannel Integration. Small, 2010, 6, 1974-1980. | 5.2 | 5 |
| 66 | Effects of Electrolyte Additives and Nanowire Diameter on the Electrochemical Performance of Lithiumâ€ion Battery Anodes based on Interconnected Nickel–Tin Nanowire Networks. Energy Technology, 2021, 9, 2100062. | 1.8 | 5 |
| 67 | Unlocking the Electrochemistry and the Activation Mechanism in the Ironâ€Rich Na _{0.6} Fe _{1.2} PO ₄ Phase for Highâ€Performance Sodiumâ€Ion Storage. Batteries and Supercaps, 2022, 5, . | 2.4 | 5 |
| 68 | Strong ion pairing at the origin of modified Li-cation solvation and improved performances of dual-salt electrolytes. Journal of Power Sources, 2022, 541, 231644. | 4.0 | 5 |
| 69 | Materials, electrodes and electrolytes advances for next-generation lithium-based anode-free batteries. Oxford Open Materials Science, 2022, 2, . | 0.5 | 5 |
| 70 | Application of Redox-Responsive Hydrogels Based on 2,2,6,6-Tetramethyl-1-Piperidinyloxy Methacrylate and Oligo(Ethyleneglycol) Methacrylate in Controlled Release and Catalysis. Polymers, 2021, 13, 1307. | 2.0 | 4 |
| 71 | Nâ€doped carbon nanotube sponges and their excellent lithium storage performances. Nano Select, 0, , . | 1.9 | 4 |
| 72 | Erbium Silicide Growth in the Presence of Residual Oxygen. Journal of the Electrochemical Society, 2011, 158, H715-H723. | 1.3 | 3 |

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| 73 | Flexible fiber batteries for applications in smart textiles. Materials Research Society Symposia Proceedings, 2013, 1489, 7. | 0.1 | 3 |
| 74 | New Cathode Materials in the Feâ€PO ₄ â€F Chemical Space for Highâ€Performance Sodiumâ€Ion Storage. Advanced Science, 2022, 9, . | 5.6 | 3 |
| 75 | Colloidal pattern replication through contact photolithography operated in a â€~Talbot–Fabry–Perot' regime. Nanotechnology, 2014, 25, 145303. | 1.3 | 2 |
| 76 | Visibleâ€light Augmented Lithium Storage Capacity in a Ruthenium(II) Photosensitizer Conjugated with a dioneâ€catechol Redox Couple. Chemistry - A European Journal, 0, , . | 1.7 | 2 |
| 77 | Thermopower evidence for Wigner crystallization in the insulating phase of two-dimensional GaAs bilayer hole systems. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 120-123. | 1.3 | 1 |
| 78 | MIMC Reliability and Electrical Behavior Defined by a Physical Layer Properties of the Dielectric. ECS Transactions, 2008, 13, 83-90. | 0.3 | 1 |
| 79 | Technological and Material Related Challenges for Large Area, High Aspect-Ratio, Near Teradot/Inch ² Areal Density and Three-Dimensional Structuring of Polyaniline. Journal of Nanoscience and Nanotechnology, 2011, 11, 8924-8935. | 0.9 | 1 |
| 80 | Surveying colloid sedimentation by coplanar waveguides. Nanotechnology, 2016, 27, 225502. | 1.3 | 1 |
| 81 | Mixed Anionic and Cationic Redox Chemistry in a Tetrathiomolybdate Amorphous Coordination Framework. Angewandte Chemie, 2020, 132, 16722. | 1.6 | 1 |
| 82 | High Power Cathodes from Poly(2,2,6,6-Tetramethyl-1-Piperidinyloxy Methacrylate)/Li(NixMnyCoz)O2 Hybrid Composites. Polymers, 2021, 13, 986. | 2.0 | 1 |
| 83 | Study of the Electrochemical Performance of Activated Carbon Bulky Paper Electrode for Electrical Double Layer Capacitor (EDLC). IOP Conference Series: Materials Science and Engineering, 2018, 436, 012015. | 0.3 | 0 |
| 84 | Batteries and Supercapacitors—Fundamentals, Materials and Devices (Eâ€MRS Spring Meeting 2019): Foreword. Batteries and Supercaps, 2020, 3, 474-475. | 2.4 | 0 |
| 85 | Coated silicon nanowires for battery applications. Series in Materials Science and Engineering, 2017, , 475-494. | 0.1 | 0 |