

# Teofilo Rojo

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

552  
papers

26,157  
citations

71  
h-index

141  
g-index

623  
ext. papers

29,122  
ext. citations

6.8  
avg. IF

7.2  
L-index

#	Paper	IF	Citations
552	Role of the voltage window on the capacity retention of P2-Na <sub>2/3</sub> [Fe <sub>1/2</sub> Mn <sub>1/2</sub> ]O <sub>2</sub> cathode material for rechargeable sodium-ion batteries. <i>Communications Chemistry</i> , <b>2022</b> , 5,	6.3	2
551	On the Road to Sustainable Energy Storage Technologies: Synthesis of Anodes for Na-Ion Batteries from Biowaste. <i>Batteries</i> , <b>2022</b> , 8, 28	5.7	2
550	P2-Na <sub>2/3</sub> Mn <sub>0.8</sub> M <sub>0.1</sub> M <sup>?</sup> <sub>0.1</sub> O <sub>2</sub> (M = Zn, Fe and M <sup>?</sup> = Cu, Al, Ti): A Detailed Crystal Structure Evolution Investigation. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 3905-3914	9.6	3
549	Dopant and Current Rate Dependence on the Structural Evolution of P2-Na <sub>2/3</sub> Mn <sub>0.8</sub> Zn <sub>0.1</sub> M <sub>0.1</sub> O <sub>2</sub> (M=Cu, Ti): An Operando Study. <i>Chemistry Methods</i> , <b>2021</b> , 1, 295-304		0
548	Structural Aspects of P2-Type Na <sub>0.67</sub> Mn <sub>0.6</sub> Ni <sub>0.2</sub> Li <sub>0.2</sub> O <sub>2</sub> (MNL) Stabilization by Lithium Defects as a Cathode Material for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2102939	15.6	7
547	Exploring Na-ion technological advances: Pathways from energy to power. <i>Materials Today: Proceedings</i> , <b>2021</b> , 39, 1118-1131	1.4	0
546	Sodium manganese-rich layered oxides: Potential candidates as positive electrode for Sodium-ion batteries. <i>Energy Storage Materials</i> , <b>2021</b> , 34, 682-707	19.4	13
545	Biphasic P2/O3-NaLiMnFeO: a structural investigation. <i>Dalton Transactions</i> , <b>2021</b> , 50, 1357-1365	4.3	2
544	Improved Sodiation Additive and Its Nuances in the Performance Enhancement of Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 11814-11821	9.5	7
543	A synergistic exploitation to produce high-voltage quasi-solid-state lithium metal batteries. <i>Nature Communications</i> , <b>2021</b> , 12, 5746	17.4	17
542	Negative Electrode Materials for High Energy Density Li- and Na-Ion Batteries. <i>Current Opinion in Electrochemistry</i> , <b>2021</b> , 100840	7.2	1
541	Towards a High-Power Si@graphite Anode for Lithium Ion Batteries through a Wet Ball Milling Process. <i>Molecules</i> , <b>2020</b> , 25,	4.8	13
540	Impact of Lithium and Potassium Cations on the Mössbauer Spectral and Electrical Properties of Two Mixed-Valence Iron(II/III) Phosphites. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 5534-5540	9.6	2
539	Polyolefin-Based Janus Separator for Rechargeable Sodium Batteries. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 16868-16877	3.6	3
538	Polyolefin-Based Janus Separator for Rechargeable Sodium Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 16725-16734	16.4	48
537	Review Polymer Electrolytes for Sodium Batteries. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 070534	3.9	45
536	Review Towards Efficient Energy Storage Materials: Lithium Intercalation/Organic Electrodes to Polymer Electrolytes A Road Map (Tribute to Michel Armand). <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 070530	3.9	8

535	ZnO Nanoparticles Photosensitization Using Ruthenium(II)-polypyridyl Isomeric Complexes. <i>ChemistrySelect</i> , <b>2020</b> , 5, 2528-2534	1.8	0
534	Graphene-coffee waste derived carbon composites as electrodes for optimized lithium ion capacitors. <i>Carbon</i> , <b>2020</b> , 162, 273-282	10.4	28
533	Highly Homogeneous Sodium Superoxide Growth in NaO <sub>2</sub> Batteries Enabled by a Hybrid Electrolyte. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 903-909	20.1	8
532	Structural evolution and electrochemistry of the Mn-Rich P <sub>2</sub> Na <sub>2</sub> /3Mn <sub>0.9</sub> Ti <sub>0.05</sub> Fe <sub>0.05</sub> O <sub>2</sub> positive electrode material. <i>Electrochimica Acta</i> , <b>2020</b> , 341, 135978	6.7	9
531	Production and processing of graphene and related materials. <i>2D Materials</i> , <b>2020</b> , 7, 022001	5.9	179
530	Goldilocks and the three glymes: How Na <sup>+</sup> solvation controls NaO <sub>2</sub> battery cycling. <i>Energy Storage Materials</i> , <b>2020</b> , 29, 235-245	19.4	6
529	Electrolytes and Interphases in Sodium-Based Rechargeable Batteries: Recent Advances and Perspectives. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000093	21.8	107
528	An Overview of Engineered Graphene-Based Cathodes: Boosting Oxygen Reduction and Evolution Reactions in Lithium- and Sodium-Oxygen Batteries. <i>ChemSusChem</i> , <b>2020</b> , 13, 1203-1225	8.3	8
527	Cost-Effective Synthesis of Triphylite-NaFePO <sub>4</sub> Cathode: A Zero-Waste Process. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 725-730	8.3	13
526	High Performance Na-O Batteries and Printed Microsupercapacitors Based on Water-Processable, Biomolecule-Assisted Anodic Graphene. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 494-506	9.5	15
525	Iron-Doped Sodium-Vanadium Fluorophosphates: NaVOFe(PO) <sub>3</sub> F ( <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 854-862)	5.1	8
524	From Solid-Solution Electrodes and the Rocking-Chair Concept to Today's Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 534-538	16.4	76
523	Na-Ion Batteries Approaching Old and New Challenges. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2002055	21.8	71
522	Revitalising sodium-sulfur batteries for non-high-temperature operation: a crucial review. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 3848-3879	35.4	70
521	Singlet oxygen formation in Na O <sub>2</sub> battery cathodes catalyzed by ammonium Brønsted acid. <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 872, 114265	4.1	7
520	A Co- and Ni-Free P <sub>2</sub> /O <sub>3</sub> Biphase Lithium Stabilized Layered Oxide for Sodium-Ion Batteries and its Cycling Behavior. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2003364	15.6	31
519	Graphene as Vehicle for Ultrafast Lithium Ion Capacitor Development Based on Recycled Olive Pit Derived Carbons. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, A2840-A2848	3.9	4
518	High performance P <sub>2</sub> sodium layered oxides: an in-depth study into the effect of rationally selected stoichiometry. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 21812-21826	13	7

517	Towards high energy density, low cost and safe Na-ion full-cell using P2Na <sub>0.67</sub> [Fe <sub>0.5</sub> Mn <sub>0.5</sub> ]O <sub>2</sub> and Na <sub>2</sub> C <sub>4</sub> O <sub>4</sub> sacrificial salt. <i>Electrochimica Acta</i> , <b>2019</b> , 321, 134693	6.7	12
516	Investigation of K modified P2 Na <sub>0.7</sub> Mn <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>2</sub> as a cathode material for sodium-ion batteries. <i>CrystEngComm</i> , <b>2019</b> , 21, 172-181	3.3	10
515	A versatile functionalized ionic liquid to boost the solution-mediated performances of lithium-oxygen batteries. <i>Nature Communications</i> , <b>2019</b> , 10, 602	17.4	90
514	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> , <b>2019</b> , 434, 226757	8.9	9
513	Flat-shaped carbon/graphene microcomposites as electrodes for high energy supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 14646-14655	13	16
512	Novel lithium-ion capacitor based on tin phosphide and olive pit derived activated carbon. <i>Journal of Power Sources</i> , <b>2019</b> , 434, 226695	8.9	11
511	Unraveling the role of Ti in the stability of positive layered oxide electrodes for rechargeable Na-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 14169-14179	13	31
510	Exploring the rate dependence of phase evolution in P2-type Na <sub>2/3</sub> Mn <sub>0.8</sub> Fe <sub>0.1</sub> Ti <sub>0.1</sub> O <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 12115-12125	13	9
509	Editors' Choice Review Innovative Polymeric Materials for Better Rechargeable Batteries: Strategies from CIC Energigune. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, A679-A686	3.9	26
508	Redox mediators: a shuttle to efficacy in metal/Na <sub>2</sub> O <sub>2</sub> batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 8746-8764	13	39
507	Water as an Effective Additive for High-Energy-Density Na Metal Batteries? Studies in a Superconcentrated Ionic Liquid Electrolyte. <i>ChemSusChem</i> , <b>2019</b> , 12, 1700-1711	8.3	22
506	Stable and Unstable Diglyme-Based Electrolytes for Batteries with Sodium or Graphite as Electrode. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 32844-32855	9.5	40
505	Designing a manganese oxide bifunctional air electrode for aqueous chloride-based electrolytes in secondary zinc-air batteries. <i>Electrochimica Acta</i> , <b>2019</b> , 320, 134557	6.7	17
504	Toward Stable Electrode/Electrolyte Interface of P2-Layered Oxide for Rechargeable Na-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 28885-28893	9.5	24
503	Controlling the Three-Phase Boundary in Na-Oxygen Batteries: The Synergy of Carbon Nanofibers and Ionic Liquid. <i>ChemSusChem</i> , <b>2019</b> , 12, 4054-4063	8.3	7
502	Unravelling the impact of electrolyte nature on Sn <sub>4</sub> P <sub>3</sub> /C negative electrodes for Na-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 18434-18441	13	11
501	Hard Carbon as Sodium-Ion Battery Anodes: Progress and Challenges. <i>ChemSusChem</i> , <b>2019</b> , 12, 133-144	8.3	152
500	Novel Lithium-Ion Capacitor Based on TiSb <sub>2</sub> as Negative Electrode: The Role of Mass Ratio towards High Energy-to-Power Densities and Long Cyclability. <i>Batteries and Supercaps</i> , <b>2019</b> , 2, 153-159	5.6	10

499	Graphene oxide-carbon nanotubes aerogels with high sulfur loadings suitable as binder-free cathodes for high performance lithium-sulfur batteries. <i>Journal of Power Sources</i> , <b>2019</b> , 412, 408-415	8.9	29
498	Vertically co-oriented two dimensional metal-organic frameworks for packaging enhanced supercapacitive performance. <i>Communications Chemistry</i> , <b>2018</b> , 1,	6.3	55
497	The effect of cation chemistry on physicochemical behaviour of superconcentrated NaFSI based ionic liquid electrolytes and the implications for Na battery performance. <i>Electrochimica Acta</i> , <b>2018</b> , 268, 94-100	6.7	20
496	Layered P2O <sub>3</sub> sodium-ion cathodes derived from earth abundant elements. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 3552-3559	13	52
495	Highly packed graphene/NT films as electrodes for aqueous supercapacitors with high volumetric performance. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 3667-3673	13	37
494	Hybrid biopolymer electrodes for lithium- and sodium-ion batteries in organic electrolytes. <i>Sustainable Energy and Fuels</i> , <b>2018</b> , 2, 836-842	5.8	20
493	Modifying the ORR route by the addition of lithium and potassium salts in Na-O <sub>2</sub> batteries. <i>Electrochimica Acta</i> , <b>2018</b> , 263, 102-109	6.7	10
492	Toward Safe and Sustainable Batteries: Na <sub>4</sub> Fe <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> P <sub>2</sub> O <sub>7</sub> as a Low-Cost Cathode for Rechargeable Aqueous Na-Ion Batteries. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 133-142	3.8	39
491	From Charge Storage Mechanism to Performance: A Roadmap toward High Specific Energy Sodium-Ion Batteries through Carbon Anode Optimization. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1703268	21.8	244
490	Development of asymmetric supercapacitors with titanium carbide-reduced graphene oxide couples as electrodes. <i>Electrochimica Acta</i> , <b>2018</b> , 259, 752-761	6.7	71
489	Polymeric Redox-Active Electrodes for Sodium-Ion Batteries. <i>ChemSusChem</i> , <b>2018</b> , 11, 311-319	8.3	18
488	Electrolyte Additives for Room-Temperature, Sodium-Based, Rechargeable Batteries. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 2770-2780	4.5	30
487	Reduced graphene oxide decorated with SnO <sub>2</sub> nanoparticles as negative electrode for lithium ion capacitors. <i>Electrochimica Acta</i> , <b>2018</b> , 284, 542-550	6.7	56
486	Temperature effect on the synthesis of lignin-derived carbons for electrochemical energy storage applications. <i>Journal of Power Sources</i> , <b>2018</b> , 397, 296-306	8.9	24
485	Electrode Materials for Sodium-Ion Batteries: Considerations on Crystal Structures and Sodium Storage Mechanisms. <i>Electrochemical Energy Reviews</i> , <b>2018</b> , 1, 200-237	29.3	130
484	Revisiting the thiosemicarbazone-copper(II) reaction with glutathione. Activity against colorectal carcinoma cell lines. <i>Journal of Inorganic Biochemistry</i> , <b>2018</b> , 180, 69-79	4.2	11
483	Pathways towards high performance NaO <sub>2</sub> batteries: tailoring graphene aerogel cathode porosity & nanostructure. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 20778-20787	13	24
482	Electrowetting of Ionic Liquid on Graphite: Probing via in Situ Electrochemical X-ray Photoelectron Spectroscopy. <i>Langmuir</i> , <b>2018</b> , 34, 14528-14536	4	5

481	Two-Dimensional Unilamellar Cation-Deficient Metal Oxide Nanosheet Superlattices for High-Rate Sodium Ion Energy Storage. <i>ACS Nano</i> , <b>2018</b> , 12, 12337-12346	16.7	83
480	Rate and Composition Dependence on the Structural-Electrochemical Relationships in P2-Na <sub>2/3</sub> Fe <sub>1-x</sub> Mn <sub>y</sub> O <sub>2</sub> Positive Electrodes for Sodium-Ion Batteries. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 7503-7510	9.6	17
479	A room-temperature sodium-sulfur battery with high capacity and stable cycling performance. <i>Nature Communications</i> , <b>2018</b> , 9, 3870	17.4	247
478	Protic and Aprotic Ionic Liquids in Combination with Hard Carbon for Lithium-Ion and Sodium-Ion Batteries. <i>Batteries and Supercaps</i> , <b>2018</b> , 1, 204-208	5.6	12
477	Waste Biomass as in Situ Carbon Source for Sodium Vanadium Fluorophosphate/C Cathodes for Na-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 16386-16398	8.3	9
476	High Performance Titanium Antimonide TiSb <sub>2</sub> Alloy for Na-Ion Batteries and Capacitors. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 8155-8163	9.6	24
475	Stable cycling of NaFePO <sub>4</sub> cathodes in high salt concentration ionic liquid electrolytes. <i>Journal of Power Sources</i> , <b>2018</b> , 406, 70-80	8.9	19
474	P2 manganese rich sodium layered oxides: Rational stoichiometries for enhanced performance. <i>Journal of Power Sources</i> , <b>2018</b> , 401, 117-125	8.9	18
473	Elucidating the Impact of Sodium Salt Concentration on the Cathode-Electrolyte Interface of Na-Air Batteries. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 15276-15286	3.8	18
472	A Stable Quasi-Solid-State Sodium-Sulfur Battery. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10168-10172	16.4	128
471	Hydrothermally reduced graphene oxide for the effective wrapping of sulfur particles showing long term stability as electrodes for Li-S batteries. <i>Carbon</i> , <b>2018</b> , 139, 226-233	10.4	21
470	A Stable Quasi-Solid-State Sodium-Sulfur Battery. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 10325-10329	3.6	12
469	Highly Efficient, Cost Effective, and Safe Sodiation Agent for High-Performance Sodium-Ion Batteries. <i>ChemSusChem</i> , <b>2018</b> , 11, 3286-3291	8.3	34
468	Impact of the Acid Treatment on Lignocellulosic Biomass Hard Carbon for Sodium-Ion Battery Anodes. <i>ChemSusChem</i> , <b>2018</b> , 11, 3276-3285	8.3	31
467	Single lithium-ion conducting solid polymer electrolytes: advances and perspectives. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 797-815	58.5	611
466	Potassium Salts as Electrolyte Additives in Lithium-Oxygen Batteries. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 3822-3829	3.8	25
465	Jeffamine- based polymers as highly conductive polymer electrolytes and cathode binder materials for battery application. <i>Journal of Power Sources</i> , <b>2017</b> , 347, 37-46	8.9	48
464	Small quaternary alkyl phosphonium bis(fluorosulfonyl)imide ionic liquid electrolytes for sodium-ion batteries with P2- and O3-Na <sub>2/3</sub> [Fe <sub>2/3</sub> Mn <sub>1/3</sub> ]O <sub>2</sub> cathode material. <i>Journal of Power Sources</i> , <b>2017</b> , 349, 45-51	8.9	30

463	Understanding the charge/discharge mechanisms and passivation reactions in Na-O <sub>2</sub> batteries. <i>Journal of Power Sources</i> , <b>2017</b> , 345, 237-246	8.9	18
462	Architecture of Na-O <sub>2</sub> battery deposits revealed by transmission X-ray microscopy. <i>Nano Energy</i> , <b>2017</b> , 37, 224-231	17.1	25
461	Atomic-level energy storage mechanism of cobalt hydroxide electrode for pseudocapacitors. <i>Nature Communications</i> , <b>2017</b> , 8, 15194	17.4	186
460	Challenges and perspectives on high and intermediate-temperature sodium batteries. <i>Nano Research</i> , <b>2017</b> , 10, 4082-4114	10	68
459	Lithium and sodium ion capacitors with high energy and power densities based on carbons from recycled olive pits. <i>Journal of Power Sources</i> , <b>2017</b> , 359, 17-26	8.9	104
458	Electrochemical performance of novel O <sub>3</sub> layered Al,Mg doped titanates as anode materials for Na-ion batteries. <i>Materials Research Bulletin</i> , <b>2017</b> , 94, 199-207	5.1	4
457	High performance manganese-based layered oxide cathodes: overcoming the challenges of sodium ion batteries. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1051-1074	35.4	289
456	Advanced anode materials for sodium ion batteries: carbodiimides. <i>MRS Advances</i> , <b>2017</b> , 2, 1165-1176	0.7	8
455	Full-cell quinone/hydroquinone supercapacitors based on partially reduced graphite oxide and lignin/PEDOT electrodes. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 7137-7143	13	48
454	Electrochemical performance of CuNCN for sodium ion batteries and comparison with ZnNCN and lithium ion batteries. <i>Journal of Power Sources</i> , <b>2017</b> , 367, 130-137	8.9	26
453	Poly(quinone-amine)/nanocarbon composite electrodes with enhanced proton storage capacity. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 23292-23298	13	30
452	Improving Na-O batteries with redox mediators. <i>Chemical Communications</i> , <b>2017</b> , 53, 12008-12011	5.8	26
451	Na <sub>2.5</sub> Fe <sub>1.75</sub> (SO <sub>4</sub> ) <sub>3</sub> /Ketjen/rGO: An advanced cathode composite for sodium ion batteries. <i>Journal of Power Sources</i> , <b>2017</b> , 369, 95-102	8.9	21
450	Sodium vanadium nitridophosphate Na <sub>3</sub> V(PO <sub>3</sub> ) <sub>3</sub> N as a high-voltage positive electrode material for Na-ion and Li-ion batteries. <i>Electrochemistry Communications</i> , <b>2017</b> , 84, 14-18	5.1	32
449	Variations on Li <sub>3</sub> N protective coating using ex-situ and in-situ techniques for Li <sup>+</sup> in sulphur batteries. <i>Energy Storage Materials</i> , <b>2017</b> , 9, 141-149	19.4	48
448	Na-Ion Batteries for Large Scale Applications: A Review on Anode Materials and Solid Electrolyte Interphase Formation. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700463	21.8	192
447	Structure-Electrochemical Evolution of a Mn-Rich P <sub>2</sub> Na <sub>2/3</sub> Fe <sub>0.2</sub> Mn <sub>0.8</sub> O <sub>2</sub> Na-Ion Battery Cathode. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 7416-7423	9.6	43
446	Graphene-based lithium ion capacitor with high gravimetric energy and power densities. <i>Journal of Power Sources</i> , <b>2017</b> , 363, 422-427	8.9	42

445	Vanadyl-type defects in Tavorite-like NaVPO <sub>4</sub> F: from the average long range structure to local environments. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 25044-25055	13	23
444	Origins of Bistability and Na Ion Mobility Difference in P2- and O3-Na <sub>2</sub> /3Fe <sub>2</sub> /3Mn <sub>1</sub> /3O <sub>2</sub> Cathode Polymorphs. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601477	21.8	75
443	Towards High-Safe Lithium Metal Anodes: Suppressing Lithium Dendrites via Tuning Surface Energy. <i>Advanced Science</i> , <b>2017</b> , 4, 1600168	13.6	298
442	Sol-Gel Synthesized Antimony Anodes for Sodium-Ion Batteries: Identifying Key Parameters for Optimization. <i>Batteries</i> , <b>2017</b> , 3, 20	5.7	3
441	Physico-Chemical and Electrochemical Properties of Nanoparticulate NiO/C Composites for High Performance Lithium and Sodium Ion Battery Anodes. <i>Nanomaterials</i> , <b>2017</b> , 7,	5.4	11
440	Influence of Using Metallic Na on the Interfacial and Transport Properties of Na-Ion Batteries. <i>Batteries</i> , <b>2017</b> , 3, 16	5.7	15
439	Crystallographic Evolution of P2 Na <sub>2</sub> /3Fe <sub>0.4</sub> Mn <sub>0.6</sub> O <sub>2</sub> Electrodes during Electrochemical Cycling. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 6342-6354	9.6	53
438	Structurally stable Mg-doped P2-Na <sub>2</sub> /3Mn <sub>1-x</sub> Mg <sub>x</sub> O <sub>2</sub> sodium-ion battery cathodes with high rate performance: insights from electrochemical, NMR and diffraction studies. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 3240-3251	35.4	200
437	Moisture exposed layered oxide electrodes as Na-ion battery cathodes. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 18963-18975	13	40
436	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> , <b>2016</b> , 336, 186-195	8.9	22
435	Combining galvanic displacement and in situ polymerization in a new synthesis: micro-composite materials for Li-based batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 18868-18877	13	2
434	New Redox Polymers that Exhibit Reversible Cleavage of Sulfur Bonds as Cathode Materials. <i>ChemSusChem</i> , <b>2016</b> , 9, 3206-3212	8.3	4
433	Towards environmentally friendly Na-ion batteries: Moisture and water stability of Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> . <i>Journal of Power Sources</i> , <b>2016</b> , 324, 378-387	8.9	29
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431	Higher voltage plateau cubic Prussian White for Na-ion batteries. <i>Journal of Power Sources</i> , <b>2016</b> , 324, 766-773	8.9	70
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428	Identification of the critical synthesis parameters for enhanced cycling stability of Na-ion anode material Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> . <i>Acta Materialia</i> , <b>2016</b> , 104, 125-130	8.4	24



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426	Sodium-Oxygen Battery: Steps Toward Reality. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 1161-6	6.4	78
425	Carbodiimides: new materials applied as anode electrodes for sodium and lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 1608-1611	13	48
424	High-Performance P2-Phase Na <sub>2/3</sub> Mn <sub>0.8</sub> Fe <sub>0.1</sub> Ti <sub>0.1</sub> O <sub>2</sub> Cathode Material for Ambient-Temperature Sodium-Ion Batteries. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 106-116	9.6	166
423	Designing Perovskite Oxides for Solid Oxide Fuel Cells <b>2016</b> ,		2
422	Investigation of sodium insertion-extraction in olivine Na <sub>x</sub> FePO <sub>4</sub> (0 ≤ x ≤ 1) using first-principles calculations. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 13045-51	3.6	31
421	Electrochemical characterization of NaFe <sub>2</sub> (CN) <sub>6</sub> Prussian Blue as positive electrode for aqueous sodium-ion batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 210, 352-357	6.7	45
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418	Performance and long term stability of a liquid-tin anode metal-air solid electrolyte battery prototype. <i>Electrochimica Acta</i> , <b>2016</b> , 214, 192-200	6.7	3
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41	Ferromagnetic exchange interactions in two new binuclear nickel(II) complexes: [Ni(pymep)(X) <sub>2</sub> ] $\cdot$ 2nH <sub>2</sub> O {X = N <sub>3</sub> , NCS; n = 2,0; pymep = N-(6-methyl-2-pyridylmethylene)-2-(2-pyridyl)ethylamine}. <i>Polyhedron</i> , <b>1991</b> , 10, 2725-2728	2.7	4
40	Synthesis and crystal structure of the dimeric compound DI-azide-bis(2,2':6',2''-terpyridine) dicopper(II) hexafluorophosphate. <i>Polyhedron</i> , <b>1991</b> , 10, 2451-2455	2.7	11
39	Crystal structure and spectroscopic properties of a copper(II) complex with a chain arrangement: [Cu(pymep)Cl(H <sub>2</sub> O)](PF <sub>6</sub> ). <i>Polyhedron</i> , <b>1991</b> , 10, 495-500	2.7	10
38	Spectroscopic and magnetic properties of two ferromagnetically coupled nickel(II) dimers [(Ni(terpy)(NCX) <sub>2</sub> ) <sub>2</sub> ](terpy = 2,2':6',2''-terpyridine, X = S or Se). Crystal structure of the thiocyanate. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1991</b> , 1779-1783		56
37	Magnetic properties of Co(II) compounds related to dittmarite (NH <sub>4</sub> )Mg(PO <sub>4</sub> ) $\cdot$ H <sub>2</sub> O. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1990</b> , 83, 478-480	2.8	5
36	Ferromagnetically coupled dimer of Ni(II) with a singlet ground state: susceptibility and EPR study. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1990</b> , 83, 519-521	2.8	15
35	Structure and spectroscopic study of an azide-copper(II) dinuclear complex: [Cu(pymep)(N <sub>3</sub> ) <sub>2</sub> ] $\cdot$ 2H <sub>2</sub> O. <i>Polyhedron</i> , <b>1990</b> , 9, 2693-2697	2.7	26
34	Crystal structure and magnetic properties of [Ni(terpy)(N <sub>3</sub> ) <sub>2</sub> ] $\cdot$ 2H <sub>2</sub> O, a nickel(II) dinuclear complex with ferromagnetic interaction. <i>Inorganica Chimica Acta</i> , <b>1990</b> , 174, 263-269	2.7	88
33	Magnetic properties and <sup>31</sup> P NMR studies of superexchange mechanism in molybdenyl phosphate MoOPO <sub>4</sub> . <i>Solid State Communications</i> , <b>1990</b> , 76, 449-452	1.6	21
32	Fluxionality in hexacoordinated copper(II) complexes with 2,2':6',2''-terpyridine (terpy) and related ligands: structural and spectroscopic investigations. <i>Inorganic Chemistry</i> , <b>1990</b> , 29, 2035-2042	5.1	69

31	Structure and magnetic properties of two new polynuclear copper(II) complexes: [Cu(terpy)(NCO)(H <sub>2</sub> O)](Y) (Y = NO <sub>3</sub> , PF <sub>6</sub> ). <i>Inorganica Chimica Acta</i> , <b>1989</b> , 165, 91-98	2.7	31
30	EvOSO <sub>4</sub> : a 2D-ferromagnet?. <i>Solid State Communications</i> , <b>1989</b> , 70, 899-902	1.6	8
29	Synthesis and characterization of cyanate-copper(II) complexes with 2,2':6',2''-terpyridine. Crystal structure of the dimeric compound [Cu(terpy)(NCO) <sub>2</sub> ] <sub>2</sub> ·2H <sub>2</sub> O. <i>Polyhedron</i> , <b>1989</b> , 8, 97-102	2.7	15
28	A binuclear Ni(II) complex with 2,2':6',2''-terpyridine exhibiting ferromagnetic exchange coupling. <i>Inorganica Chimica Acta</i> , <b>1989</b> , 162, 11-13	2.7	8
27	Crystal structure, spectroscopic and magnetic properties of the complex [Cu(paphy)(NCS)(SCN)](paphy = pyridine-2-carbaldehyde 2'-pyridylhydrazone). An unusual di-μ-thiocyanato-N bridged copper(II) dimer. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1989</b> , 53-56		31
26	Crystal structure and magnetic properties of 1-aqua-μ-hydroxo-1,2,2-tris(perchlorato)-1,2-bis(2,2':6',2''-terpyridine)dicopper(II). <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1989</b> , 237-241		14
25	Crystal Data for [Cu(C <sub>15</sub> H <sub>11</sub> N <sub>3</sub> )X <sub>2</sub> ] <sub>n</sub> H <sub>2</sub> O [X = NCO (n=1); NCS and N <sub>3</sub> (n=)] Compounds. <i>Powder Diffraction</i> , <b>1989</b> , 4, 162-164	1.8	
24	Structure of monoaquabis(isocyanato)(2,2':6',2''-terpyridyl)nickel(II). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1988</b> , 44, 986-990		4
23	Structure and magnetic properties of the ferromagnetically coupled nickel dimer [Ni(terpy)(NCO)(H <sub>2</sub> O)] <sub>2</sub> (PF <sub>6</sub> ) <sub>2</sub> . <i>Transition Metal Chemistry</i> , <b>1988</b> , 13, 371-374	2.1	43
22	Crystal structure and properties of the [Cu(C <sub>11</sub> H <sub>10</sub> N <sub>4</sub> )Br <sub>2</sub> ] compound. Stereochemistry of [Cu(planar tridentate ligand)(unidentate ligand) <sub>2</sub> ] complexes. <i>Polyhedron</i> , <b>1988</b> , 7, 1383-1388	2.7	26
21	Crystal structure of [Cu(terpy)(NCS) <sub>2</sub> ]: a novel five-coordinate copper(II) complex with unusual symmetry. <i>Inorganica Chimica Acta</i> , <b>1988</b> , 149, 159-161	2.7	13
20	Etude par rmn de 7Li des oxydes La <sub>2</sub> Li <sub>0,50</sub> MIII <sub>0,50</sub> O <sub>4</sub> (M = Co, Ni, Cu). <i>Materials Research Bulletin</i> , <b>1988</b> , 23, 1787-1796	5.1	9
19	Structure, dynamic nuclear magnetic resonance study, and magnetic properties of the two novel chains [Cu(paphy)X](PF <sub>6</sub> ) <sub>2</sub> ·H <sub>2</sub> O (paphy = pyridine-2-carboxaldehyde 2'-pyridylhydrazone; X = Cl, Br). Synthetic strategy of one-dimensional systems of copper(II). <i>Inorganic Chemistry</i> , <b>1988</b> , 27, 3904-3911	5.1	37
18	Cu(terpy)X <sub>2</sub> (X = Br-, NCS-): complexes with an unusual five-coordination. Structural and spectroscopic investigation. <i>Inorganic Chemistry</i> , <b>1988</b> , 27, 2976-2981	5.1	75
17	Magnetostructural correlations in parallel square-planar chloride bridged copper(II) dimers: structure, dynamic nuclear magnetic resonance study, and magnetic properties of [Cu <sub>2</sub> (terpy) <sub>2</sub> Cl <sub>2</sub> ](PF <sub>6</sub> ) <sub>2</sub> . <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1987</b> , 285		60
16	Magnetostructural correlations in parallel square-planar halo-bridged copper(II) dimers. Part II: Structure and magnetic properties of [Cu <sub>2</sub> (terpy) <sub>2</sub> Br <sub>2</sub> ](PF <sub>6</sub> ) <sub>2</sub> . <i>Inorganica Chimica Acta</i> , <b>1987</b> , 134, 59-66	2.7	25
15	Synthesis and crystal structure of a new nickel(II)-terpyridine complex: [Ni(terpy)(NO <sub>2</sub> )(ONO)(H <sub>2</sub> O)]. <i>Polyhedron</i> , <b>1986</b> , 5, 1987-1990	2.7	14
14	Données cristallographiques sur les composés Ni(C <sub>15</sub> H <sub>11</sub> N <sub>3</sub> ) <sub>2</sub> ·nH <sub>2</sub> O, X=Cl, NO <sub>2</sub> , NCO. <i>Journal of Applied Crystallography</i> , <b>1985</b> , 18, 366-366	3.8	2

13	Structure of diaquachloro(2,2':6',2''-terpyridyl)nickel(II) chloride monohydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1985</b> , 41, 1733-1736		9
12	DonnÉes cristallographiques sur les composÉ Cu(C <sub>15</sub> H <sub>11</sub> N <sub>3</sub> ) X <sub>2</sub> : X=Br, I. <i>Journal of Applied Crystallography</i> , <b>1983</b> , 16, 430-430	3.8	3
11	The structure of dichloro(2,2':6',2''-terpyridyl)copper(II) monohydrate, [Cu(C <sub>15</sub> H <sub>11</sub> N <sub>3</sub> )Cl <sub>2</sub> ].H <sub>2</sub> O. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1983</b> , 39, 194-199		21
10	Structure du dichloro(terpyridyl-2:2',6':2'')zinc(II), forme I, [Zn(C <sub>15</sub> H <sub>11</sub> N <sub>3</sub> )Cl <sub>2</sub> ]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1983</b> , 39, 560-563		22
9	Bis(2,2':6',2''-terpyridine)copper(II) hexafluorophosphate. <i>Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry</i> , <b>1982</b> , 38, 1323-1324		34
8	Magnetic properties of a binuclear copper(II) complex [Cu(terpy)Cl] (PF <sub>6</sub> ). <i>Inorganica Chimica Acta</i> , <b>1982</b> , 64, L105-L107	2.7	17
7	Sur la configuration a spin faible du nickel +III dans la phase La <sub>2</sub> Li <sub>0,5</sub> Ni <sub>0,5</sub> O <sub>4</sub> . <i>Materials Research Bulletin</i> , <b>1981</b> , 16, 47-52	5.1	38
6	Structure, Composition, Transport Properties, and Electrochemical Performance of the Electrode-Electrolyte Interphase in Non-Aqueous Na-Ion Batteries. <i>Advanced Materials Interfaces</i> , 2101773	4.6	1
5	High-Temperature Battery Technologies: Na-S1-35		
4	Unveiling the Role of Tetrabutylammonium and Cesium Bulky Cations in Enhancing Na-O <sub>2</sub> Battery Performance. <i>Advanced Energy Materials</i> , 2102834	21.8	2
3	Molecule-Based Magnets Derived from NiII and MnII, Azido Bridging Ligand and Related Compounds 307-337		
2	Nanostructured Carbon Composites from Cigarette Filter Wastes and Graphene Oxide Suitable as Electrodes for 3.4 V Supercapacitors. <i>Batteries and Supercaps</i> ,	5.6	2
1	Influence of the Current Density on the Interfacial Reactivity of Layered Oxide Cathodes for Sodium-Ion Batteries. <i>Energy Technology</i> , 2200071	3.5	1