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| № п/п | Название публикации | Тип публикации | Наименование журнала,год, номера статьи, тома, выпуска и страниц, DOI (если имеются) | Импакт-фактор журнала, квартиль и область наукипо Journal Citation Reports | CiteScore журнала, процентиль и область науки по Scopus | ФИО авторовработ (подчеркнуть ФИО соискателя) |
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|  | Superfast High-Energy Storage Hybrid Device Composed of MXene and Chevrel-Phase Electrodes Operated in Saturated LiCl Electrolyte Solution | Статья | Journal of Materials Chemistry A,–2019. 7, 19761-19773 DOI: <https://doi.org/10.1039/c9ta08066j>. | 11.301, Q1 in General Materials Science | 11.301, Q1 in General Materials Science | 19.7; 96% | 19.7; 96% | Malchik, F. Shpigel, N.Levi, M. D.Mathis, T. S. Mor, A.Gogotsi, Y. Aurbach, D. |
|  | MXene conductive binder for improving performance of sodium-ion anodes in water-in-salt electrolyte | Статья | Nano EnergyVolume 79, January 2021, 105433https://doi.org/10.1016/j.nanoen.2020.105433 | 17.881, Q1 in Electrical and Electronic Engineering | 17.881, Q1 in Electrical and Electronic Engineering | 25.6; 99% | 25.6; 99% | Fyodor Malchik Netanel Shpigel Mikhael D. Levi Tirupathi Rao PenkiBar Gavriel Gil BergmanMeital Turgeman Doron Aurbach Yury Gogotsi |
|  | Quantification of Porosity in Extensively Nanoporous Thin Films in Contact with Gases and Liquids | Статья | Nature Communications, - 2019. Volume 10, Article number: 4394 <https://doi.org/10.1038/s41467-019-12277-4> | 15,805; Q1 in General Biochemistry, Genetics and Molecular Biology | 15,805; Q1 in General Biochemistry, Genetics and Molecular Biology | 20.0; 97% | 20.0; 97% | Shpigel, N. Sigalov, S. Malchik, F. Levi, M. D. Girshevitz, O. Khalfin, R. L. Aurbach, D. |
|  | Enhanced Performance of Ti3C2Tx (MXene) Electrodes in Concentrated ZnCl2 Solutions: A Combined Electrochemical and EQCM-D Study | Статья | Energy Storage Materials, Volume 38, June 2021, Pages 535-541<https://doi.org/10.1016/j.ensm.2021.03.027> | 17.789; Q1 in Energy Engineering and Power Technology | 17.789; Q1 in Energy Engineering and Power Technology | 19.9; 98% | 19.9; 98% | [Bar Gavriel](https://www.sciencedirect.com/science/article/pii/S240582972100132X%22%20%5Cl%20%22%21), [Netanel Shpigel](https://www.sciencedirect.com/science/article/pii/S240582972100132X#!), [Fyodor Malchik](https://www.sciencedirect.com/science/article/pii/S240582972100132X#!), [Gil Bergman](https://www.sciencedirect.com/science/article/pii/S240582972100132X#!), [Meital Turgeman](https://www.sciencedirect.com/science/article/pii/S240582972100132X#!), [Mikhael D.Levi](https://www.sciencedirect.com/science/article/pii/S240582972100132X#!) [Doron Aurbach](https://www.sciencedirect.com/science/article/pii/S240582972100132X#!) |
|  | New Aqueous Energy Storage Devices Comprising   Graphite Cathodes, MXene Anodes and Concentrated Sulfuric Acid Solutions | Статья | Energy storage materials,– 2020. V 32. p. 1-10. <https://doi.org/10.1016/j.ensm.2020.06.038> | 17.789; Q1in Energy Engineering and Power Technology | 17.789; Q1in Energy Engineering and Power Technology | 19.9; 98% | 19.9; 98% | Netanel Shpigel, Fyodor Malchik, Mikhael D. Levi, Bar Gavriel, Gil Bergman, Shay Tirosh, Nicole Leifer, Gil Goobes, Reut Cohen, Michal Weitman, Hagit Aviv, Yaakov R Tischler, Doron Aurbach Yury Gogotsi |
|  | Horizons for Modern Electrochemistry Related to Energy Storage and Conversion, a Review | Статья | Israel Journal of Chemistry 2021. V 61, p. 11-25 <https://doi.org/10.1002/ijch.202100002> | 3,333; Q2in General Chemistry | 3,333; Q2in General Chemistry | 4.6; 72% | 4.6; 72% | David Malka, Ran Attias, Netanel Shpigel, Fyodor Malchik, Mikhael D. Levi, Doron Aurbach |
|  | Can Anions Be Inserted into MXene? | Статья | Journal of the American Chemical Society,– 2021, 143 (32), 12552-12559. 10.1021/JACS.1C03840 | 15,419; Q1in Biochemistry | 15,419; Q1in Biochemistry | 25.1; [98%](https://www.scopus.com/sourceid/22680#tabs=1) | 25.1; [98%](https://www.scopus.com/sourceid/22680#tabs=1) | Shpigel Netanel, Chakraborty Arup, Malchik Fyodor, Bergman Gil, Nimkar Amey, Gavriel Bar, Turgeman Meital, Hong Chulgi Nathan, Lukatskaya Maria R., Levi Mikhael D., Gogotsi Yury, Major Dan T., Aurbach Doron |
|  | Titanium Carbide MXene Shows an Electrochemical Anomaly in Water-in-Salt Electrolytes | Статья | **American Chemical Society,-2021.** 5, 9, 15274–1528410.1021/acsnano.1c06027 | 15,419; Q1in Biochemistry | 15,419; Q1in Biochemistry | 25.1; [98%](https://www.scopus.com/sourceid/22680#tabs=1) | 25.1; [98%](https://www.scopus.com/sourceid/22680#tabs=1) | Xuehang Wang, Tyler S. Mathis, Yangyunli Sun, Wan-Yu Tsai, Netanel Shpigel, Hui Shao, Danzhen Zhang, Kanit Hantanasirisakul, Fyodor Malchik, Nina Balke, De-en Jiang, Patrice Simon,Yury Gogotsi |
|  | Effect of the MoS2 surface layer on the kinetics of intercalation processes in the NaFe(SO4)2/C composite  | Статья | Materials today communications,-2021.[Volume 28](https://www.sciencedirect.com/journal/materials-today-communications/vol/28/suppl/C), 102723<https://doi.org/10.1016/j.mtcomm.2021.102723> | 3,383; Q2in Materials Chemistry | 3,383; Q2in Materials Chemistry | 2.6; [51%](https://www.scopus.com/sourceid/22680#tabs=1) | 2.6; 51% | [Saule Kokhmetova](https://www.sciencedirect.com/science/article/abs/pii/S2352492821007157#!), [Tatyana Kan](https://www.sciencedirect.com/science/article/abs/pii/S2352492821007157#!), [Fyodor Malchik](https://www.sciencedirect.com/science/article/abs/pii/S2352492821007157#!), [Alina Galeyeva](https://www.sciencedirect.com/science/article/abs/pii/S2352492821007157#!), [Thierry Djenizian](https://www.sciencedirect.com/science/article/abs/pii/S2352492821007157#!), [Andrey Kurbatov](https://www.sciencedirect.com/science/article/abs/pii/S2352492821007157#!) |
|  | [Influences of Cations’ Solvation on Charge Storage Performance in Polyimide Anodes for Aqueous Multivalent Ion Batteries](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=V0w9PyEAAAAJ&sortby=pubdate&citation_for_view=V0w9PyEAAAAJ:WF5omc3nYNoC) | Статья | **American Chemical Society** *Energy Lett.****,-*2021.** 6, 7, 2638–2644https://doi.org/10.1021/acsenergylett.1c01007 | 23,101; Q1in Biochemistry | 23,101; Q1in Biochemistry | 25.1; [98%](https://www.scopus.com/sourceid/22680#tabs=1) | 25.1; [98%](https://www.scopus.com/sourceid/22680#tabs=1) | Amey Nimkar, Fyodor Malchick, Bar Gavriel, Meital Turgeman, Gil Bergman, Tianju Fan, Shaul Bublil, [Reut Cohen](https://pubs.acs.org/action/doSearch?field1=Contrib&text1=Reut++Cohen), Michal Weitman, Netanel Shpigel**,** Mikhael D Levi,Doron Aurbach |
|  | A cost-effective water-in-salt electrolyte enables highly stable operation of a 2.15-V aqueous lithium-ion battery | Статья | Cell Reports Physical Science. (2021) 100688.<https://doi.org/10.1016/j.xcrp.2021.100688>.  | 7.09; Q1 | 7.09; Q1 | 45% | 45% | M. Turgeman, V. Wineman-Fisher, F. Malchik, A. Saha, G. Bergman, B. Gavriel, T.R. Penki, A. Nimkar, V. Baranauskaite, H. Aviv, M.D. Levi, M. Noked, D.T. Major, N. Shpigel, D. Aurbach |
|  | Unraveling the Role of Fluorinated Alkyl Carbonate Additives in Improving Cathode Performance in Sodium-Ion Batteries | Статья | ACS Applied Materials & Interfaces, 2021, 46478-46487ttps://doi.org/10.1021/acsami.1c03844 | 9,229; Q1 | 9,229; Q1 | 14.0; 93% | 14.0; 93% | Amey Nimkar,Netanel Shpigel, Fyodor Malchik, Shaul Bublil, Tianju Fan, Tirupathi Rao Penki, Merav Nadav Tsubery, Doron Aurbach |
|  | Enhancing Electrochemical Performance of Stretchable/Flexible Li‐Ion Microbatteries by Tuning Microstructured Electrode Dimensions | Статья | Advanced Materials Interfaces, 2022, 2102541, <https://doi.org/10.1002/admi.202102541> | 6,147; Q2inMechanical Engineering | 6,147; Q2inMechanical Engineering | 7.9; [92%](https://www.scopus.com/sourceid/21100403124#tabs=1) | 7.9; [92%](https://www.scopus.com/sourceid/21100403124#tabs=1) | Alban Albertengo, Mohamed Nasreldin, Marc Ramuz, Daniel Ochoa, Roger Delattre, Maxim Lepikhin, Alina Galeyeva, Fyodor Malchik, Thierry Djenizian |