

The Acidity of Weak NH Acids : Expanding the pKa Scale in Acetonitrile

Lõkov, Märt; Keskküla, Carmen; Tshepelevitsh, Sofja; Pikma, Marta-Lisette; Saame, Jaan; **Trubitsõn, Dmitri; Kanger, Tõnis**; Leito, Ivo ACS Organic & Inorganic Au 2025 <https://doi.org/10.1021/acsorginorgau.4c00095>

AFM nanoshaving of covalently modified graphite for studying molecular self-assembly under lateral nanoconfinement

Steeno, Roelof; Van Gorp, Hans; **Walke, Peter**; Mali, Kunal S.; De Feyter, Steven Journal of physical chemistry C 2021 / p. 21624-21634 <https://doi.org/10.1021/acs.jpcc.1c05700> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bidirectional Mo4/3CTx MXene/graphene aerogels for tailored microwave absorption

Shamshirgar, Ali Saffar; Qin, Lei; **Rojas Hernandez, Rocio Estefania**; Halim, Joseph; Fernandez, Jose F.; **Hussainova, Irina**; Rosen, Johanna ACS Applied Nano Materials 2025 / p. 1978–1990 <https://doi.org/10.1021/acsanm.4c06555>

ChemEASTry Europe, the status of the chemical sciences in a growing region

Gryko, Dorota; Szumna, Agnieszka; **Aav, Riina**; Soos, Tibor The journal of organic chemistry 2023 / p. 12165-12167 <https://doi.org/10.1021/acs.joc.3c01805> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Deep-ultraviolet emitter : rare-earth-free ZnAl2O4 nanofibers via a simple wet chemical route

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Efficient defect-driven cation exchange beyond the nanoscale semiconductors toward antibacterial functionalization

Polivtseva, Svetlana; Volobujeva, Olga; Kuznietsov, Ivan; Kaupmees, Reelika; Danilson, Mati; Krustok, Jüri; Molaiyan, Palanivel; Hu, Tao; Lassi, Ulla; **Klopov, Mihhail**; van Gog, Heleen; van Huis, Marijn A.; Kaur, Harleen; Ivask, Angela; Rosenberg, Merilin; Gathergood, Nicholas; Ni, Chaoying; **Grossberg-Kuusk, Maarja** ACS applied materials & interfaces 2024 / p. 62871-62882 <https://doi.org/10.1021/acsami.4c11425>

Photocontrolled strain in polycrystalline ferroelectrics via domain engineering strategy

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Porphyrin-based hybrid nanohelices : cooperative effect between molecular and supramolecular chirality on amplified optical activity

Anfar, Zakaria; Kuppan, Balamurugan; Scalabre, Antoine; Nag, Rahul; Pouget, Emilie; Nlate, Sylvain; Magna, Gabriele; Di Filippo, Ilaria; Monti, Donato; Naitana, Mario L.; Stefanelli, Manuela; **Nikonovich, Tatsiana; Borovkov, Victor; Aav, Riina**; Paolesse, Roberto; Oda, Reiko The journal of physical chemistry B 2024 / p. 1550-1556 <https://doi.org/10.1021/acs.jpcc.3c07153> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Practical indicators for risk of airborne transmission in shared indoor environments and their application to COVID-19 outbreaks

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Scalable lipase-catalyzed synthesis of (R)-4-(Acyloxy)pentanoic acids from racemic γ-valerolactone

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Solar energy harvesting through photovoltaic and photoelectrochemical means from appositely prepared CuInGaSe2 absorbers on flexible substrates by a low-cost and industrially benign pulse electrodeposition technique

Mandati, Sreekanth; Misra, Prashant; Boosagulla, Divya; Tata, Narasinga Rao; Bulusu, Sarada V. Industrial and engineering chemistry research 2021 / p. 2197–2205 <https://doi.org/10.1021/acs.iecr.0c05934>

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Transition-metal- and nitrogen-doped carbide-derived carbon/carbon nanotube composites as cathode catalysts for anion-exchange membrane fuel cells

Lilloja, Jaana; Kibena-Põldsepp, Elo; Sarapuu, Ave; Douglin, John C.; Käärik, Maike; Kozlova, Jekaterina; **Paiste, Päärn**; Kikas,

