

Bile acid conjugation as a tool for enhancing intracellular delivery of biofunctional linker-extended constructs

Bhadoria, Rohit; Ping, Kefeng; Starkov, Pavel Abstracts of Papers of the American Chemical Society 2018 / abst. BIOL 255
<https://www.acs.org/content/dam/acsorg/meetings/national-meetings/fall-2018/fall-2018-program-book.pdf>

Characterization of protein kinase ULK3 regulation by phosphorylation and inhibition by small molecule SU6668

Kasak, Lagle; Näks, Mihkel; Eek, Priit; Piirsoo, Alla; Bhadoria, Rohit; Starkov, Pavel; Saarma, Merilin; Kasvandik, Sergo; Piirsoo, Marko Biochemistry 2018 / p. 5456–5465 <https://doi.org/10.1021/acs.biochem.8b00356> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

CO₂ reduction to formate on an affordable bismuth metal-organic framework based catalyst

Avila-Bolivar, Beatriz; Cepitis, Ritums; Alam, Mahboob; Starkov, Pavel Journal of CO₂ Utilization 2022 / art. 101937, 11 p
<https://doi.org/10.1016/j.jcou.2022.101937> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of benzimidazolediol-derived iron triad M–N–C nanomaterials as trifunctional catalysts in alkaline and acidic media : [manuscript]

Alam, Mahboob; Ping, Kefeng; Danilson, Mati; Mikli, Valdek; Käärik, Maike; Leis, Jaan; Aruväli, Jaan; Paiste, Päärm; Rähn, Mihkel; Sammelselg, Väino; Tammeveski, Kaido; Kramm, Ulrike; Kongi, Nadežda; Starkov, Pavel 2022

Construction of de novo all-carbon quaternary stereocenters in unbiased acyclic systems

Starkov, Pavel; Moore, Jared T.; Duquette, Douglas C.; Stoltz, Brian M.; Marek, Ilan Balticum Organicum Syntheticum : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 150 : ill http://www.boschem.eu/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf

Direct amidation of unprotected amino acids using B(OCH₂CF₃)₃

Lanigan, Rachel M.; Karaluka, Valerija; Sabatini, Marco T.; Starkov, Pavel Chemical communications 2016 / p. 8846-8849 : ill
<http://dx.doi.org/10.1039/C6CC05147B>

Eesti Teadusagentuuri roll teadusriikka Eesti kujundamisel [Võrguväljaanne]

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Enantioselective construction of acyclic quaternary carbon stereocenters : palladium-catalyzed decarboxylative allylic alkylation of fully substituted amide enolates

Starkov, Pavel; Moore, Jared T.; Duquette, Douglas C.; Stoltz, Brian M.; Marek, Ilan Journal of the American Chemical Society 2017 / p. 9615-9620 : ill <http://dx.doi.org/10.1021/jacs.7b04086>

Fused hybrid linkers for metal–organic framework-derived bifunctional oxygen electrocatalysts

Ping, Kefeng; Braschinsky, Alan; Alam, Mahboob; Bhadoria, Rohit; Mikli, Valdek; Mere, Arvo; Aruväli, Jaan; Paiste, Päärm; Vlassov, Sergei; Kook, Mati; Rähn, Mihkel; Sammelselg, Väino; Tammeveski, Kaido; Kongi, Nadežda; Starkov, Pavel ACS Applied Energy Materials 2020 / p. 152–157 : ill <https://doi.org/10.1021/acsaeem.9b02039> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fused hybrid linkers for metal–organic frameworks-derived bifunctional oxygen electrocatalysts : [version 1.0] [Online resource]

Ping, Kefeng; Braschinsky, Alan; Alam, Mahboob; Bhadoria, Rohit; Mikli, Valdek; Mere, Arvo; Starkov, Pavel ChemRxiv 2019 / 10 p., S16 p. : ill <https://doi.org/10.26434/chemrxiv.7687358>

Fused hybrid linkers for metal–organic frameworks-derived bifunctional oxygen electrocatalysts : [version 2.0] [Online resource]

Ping, Kefeng; Braschinsky, Alan; Alam, Mahboob; Bhadoria, Rohit; Mikli, Valdek; Mere, Arvo; Starkov, Pavel ChemRxiv 2019 / 10 p., S17 p. : ill <https://doi.org/10.26434/chemrxiv.7687358.v2>

A hybrid organic linker forms an efficient non-supported non-precious-metal-based metal–organic coordination network porous material for oxygen reduction reaction

Ping, Kefeng; Bhadoria, Rohit; Kongi, Nadežda; Starkov, Pavel; Tammeveski, Kaido Abstracts of Papers of the American Chemical Society 2018 / abst. CATL 202 <https://www.acs.org/content/dam/acsorg/meetings/national-meetings/fall-2018/fall-2018-program-book.pdf>

Multi-purpose heterogeneous catalyst material from an amorphous cobalt metal–organic framework

Ping, Kefeng; Alam, Mahboob; Kahnert, Sean Ray; Bhadoria, Rohit; Mere, Arvo; Mikli, Valdek; Käärik, Maike; Aruväli, Jaan; Paiste, Päärm; Kikas, Arvo; Kisand, Vambola; Järving, Ivar; Leis, Jaan; Kongi, Nadežda; Starkov, Pavel Materials advances 2021 / p. 4009-4015 <https://doi.org/10.1039/D1MA00414J> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oxime-functionalized nanodiamonds as a platform for treatment of organophosphate poisoning

Karpichev, Yevgen; Bondar, Denys; Starkov, Pavel; Heinmaa, Ivo Artificial Intelligence for Material Design, Processing and Characterizations November 21 - November 30, 2020 : SYMPOSIUM S.CT01 : abstract book 2020 / S.NM01.10.06, p. 658 [Meeting abstracts](#)

A phenotypic approach to probing cellular outcomes using heterobivalent constructs

Bhadoria, Rohit; Ping, Kefeng; Lohk, Christer; Järving, Ivar; Starkov, Pavel Chemical Communications 2020 / p. 4216 - 4219

<https://doi.org/10.1039/c9cc09595k> <https://pubs.rsc.org/en/content/articlelanding/2020/cc/c9cc09595k> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Probing cellular outcomes using heterobivalent constructs [Online resource]

Bhadoria, Rohit; Ping, Kefeng; Lohk, Christer; Järving, Ivar; Starkov, Pavel ChemRxiv 2019 / 9, S74 p. : ill

<https://doi.org/10.26434/chemrxiv.7613213.v1>

Shungite-derived graphene as a carbon support for bifunctional oxygen electrocatalysts

Kazimova, Nargiz; Ping, Kefeng; Alam, Mahboob; Danilson, Mati; Merisalu, Mado; Aruväli, Jaan; Paiste, Pääm; Käärik, Maie;

Mikli, Valdek; Leis, Jaan; Tammeveski, Kaido; **Starkov, Pavel;** Kongi, Nadežda Journal of catalysis 2021 / p. 178–187

<https://doi.org/10.1016/j.jcat.2021.01.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Surveying iron–organic framework TAL-1-derived materials in ligandless heterogeneous oxidative catalytic transformations of alkylarenes

Ping, Kefeng; Alam, Mahboob; Käärik, Maie; Leis, Jaan; Kongi, Nadežda; **Järving, Ivar; Starkov, Pavel** Synlett 2019 / p. 1536–

1540 : ill <https://doi.org/10.1055/s-0037-1611877> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)