

Arachidonic acid metabolism in marine invertebrates

Löhelaïd, Helike; Teder, Tarvi; Samel, Nigulas Invertebrate survival journal - ISJ 2018 / p. 110

<http://www.isj.unimo.it/index.php/ISJ/article/view/82>

A catalase-related hemoprotein in coral is specialized for synthesis of short-chain aldehydes : discovery of P450-type hydroperoxide lyase activity in a catalase

Teder, Tarvi; Löhelaïd, Helike; Boeglin, William E.; Calcutt, Wade M.; Brash, Alan R.; Samel, Nigulas Journal of biological chemistry 2015 / p. 19823-19832 : ill <https://doi.org/10.1074/jbc.M115.660282> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Differences in the substrate binding between highly identical catalase-related fatty acid hydroperoxide-metabolizing enzymes [Online resource]

Teder, Tarvi; Löhelaïd, Helike; Samel, Nigulas XVth International Conference of the Lithuanian Biochemical Society : the programme and abstract book : Dubingiai, June 26-29, 2018 2018 / p. 67-68 <https://www.docdroid.net/tVouRrC/abstract-book.pdf>

Distinct characteristics of the substrate binding between highly homologous catalase-related allene oxide synthase and hydroperoxide lyase

Teder, Tarvi; Samel, Nigulas; Löhelaïd, Helike Archives of biochemistry and biophysics 2019 / art. 108126, 10 p. : ill <https://doi.org/10.1016/j.abb.2019.108126> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A fungal catalase reacts selectively with the 13S fatty acid hydroperoxide products of the adjacent lipoxygenase gene and exhibits 13S-hydroperoxide-dependent peroxidase activity

Teder, Tarvi; Boeglin, William E.; Schneider, Claus; Brash, Alan R. Biochimica et Biophysica Acta (BBA) - molecular and cell biology of lipids 2017 / p. 706-715 : ill <https://doi.org/10.1016/j.bbalip.2017.03.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Lipoxygenase-allene oxide synthase pathway in octocoral thermal stress response

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Lipoxygenase-catalyzed transformation of epoxy fatty acids to hydroxy-endoperoxides : a potential P450 and lipoxygenase interaction

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Modulation of the 5-lipoxygenase pathway by chalcogen-containing inhibitors of leukotriene A4 hydrolase

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Oxidation of C18 hydroxylpolyunsaturated fatty acids to epoxide or ketone by catalase-related hemoproteins activated with iodobenzene

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Oxylipins : role in stem cell biology

Löhelaïd, Helike; Teder, Tarvi Advances in Aquatic Invertebrate Stem Cell Research : From Basic Research to Innovative Applications 2022 / p. 173-200 <https://doi.org/10.3390/books978-3-0365-1635-6-4>

Structural and catalytic aspects of the catalase-related fatty acid hydroperoxide lyase = Katalaasilaadse hüdroperoksiidülaasi struktuursed ja katalüütilised omadused

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Structural and functional insights into the reaction specificity of catalase-related hydroperoxide lyase : a shift from lyase activity to allene oxide synthase by site-directed mutagenesis

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The IRE1α inhibitor KIRA6 blocks Leukotriene Biosynthesis in human phagocytes

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Up-regulated expression of AOS-LOXa and increased eicosanoid synthesis in response to coral wounding

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