

Antibacterial activity of positively and negatively charged hematite (α -Fe₂O₃) nanoparticles to Escherichia coli, Staphylococcus aureus and Vibrio fischeri

Vihodceva, Svetlana; Šutka, Andris; Sihtmāe, Mariliis; **Rosenberg, Merilin**; Otsus, Maarja; Kurvet, Imbi; Smits, Krisjanis; Bikse, Liga; Kahru, Anne; Kasemets, Kaja Nanomaterials 2021 / p. 1-26 <https://doi.org/10.3390/nano11030652> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Rapid catalytic water disinfection from earth abundant Ca₂Fe₂O₅ brownmillerite

Vanags, Mārtiņš; Mežule, Linda; Spule, Arnita; Kostjukovs, Juris; Šmits, Krišjānis; Tamm, Aile; Juhna, Talis; Vihodceva, Svetlana; Käämbre, Tanel; **Vasiliev, Grigory** Advanced sustainable systems 2021 / art. 2100130, 10 p. : ill <https://doi.org/10.1002/adsu.202100130> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Synthesis and synergistic antibacterial efficiency of chitosan-copper oxide nanocomposites

Laanoja, Jüri; Sihtmāe, Mariliis; Vihodceva, Svetlana; Iesalnieks, Mairis; Otsus, Maarja; Kurvet, Imbi; Kahru, Anne; Kasemets, Kaja Heliyon 2024 / art. e35588 <https://doi.org/10.1016/j.heliyon.2024.e35588>