

#### **Accuracy of the Mindlin model in A0 Lamb mode scattering from partial through-thickness damage**

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#### **Additively manufactured mesostructured MoSi<sub>2</sub>-Si<sub>3</sub>N<sub>4</sub> ceramic lattice**

Minasyan, Tatevik; Liu, Le; Holovenko, Yaroslav; Aydinyan, Sofiya; Hussainova, Irina Ceramics international 2019 / p. 9926-9933 <https://doi.org/10.1016/j.ceramint.2019.02.035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Adsorption of Cd<sup>2+</sup> by an ion-imprinted thiol-functionalized polymer in competition with heavy metal ions and organic acids**

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#### **Advanced oxidation processes for sulfonamide antibiotic sulfamethizole degradation : Process applicability study at ppm level and scale-down to ppb level**

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#### **Advances in nanomaterials induced biohydrogen production using waste biomass**

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#### **Alumina/graphene/Cu hybrids as highly selective sensor for simultaneous determination of epinephrine, acetaminophen and tryptophan in human urine**

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#### **Amino acid-functionalized calix[4]resorcinarene solubilization by mono- and dicationic surfactants**

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#### **Analysis of Industry 4.0 capabilities: a perspective of educational institutions and needs of industry**

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**Analysis of photocatalytic performance of nanostructured pyrogenic titanium dioxide powders in view of their polydispersity and phase transition : critical anatase particle size as a factor for suppression of charge recombination**  
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**ANAMMOX-denitrification biomass in microbial fuel cell to enhance the electricity generation and nitrogen removal efficiency**  
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**Antibacterial activity of positively and negatively charged hematite ( $\alpha$ -Fe<sub>2</sub>O<sub>3</sub>) nanoparticles to escherichia coli, staphylococcus aureus and vibrio fischeri**  
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**Antimicrobial particles based on Cu<sub>2</sub>ZnSnS<sub>4</sub> monograins**  
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**Application of agricultural waste as heterogeneous catalysts for biodiesel production**  
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**Assessment of associations between arterial mechanical properties and biochemical blood markers for early detection of atherosclerosis**

**Kööts, Kristina; Pilt, Kristjan; Sepa, Madis; Pikta, Marika; Fridolin, Ivo; Meigas, Kalju; Viigimaa, Margus** 8th European Medical and Biological Engineering Conference : proceedings of the EMBEC 2020, November 29 – December 3, 2020 Portorož, Slovenia 2021 / p. 121-129 [https://doi.org/10.1007/978-3-030-64610-3\\_15](https://doi.org/10.1007/978-3-030-64610-3_15) [Conference Proceedings at Scopus](#) [Article at Scopus](#)

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**Asymmetric aminocatalytic Michael addition of cyclopropane-containing aldehydes to nitroalkenes**

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**Automatic detection of real and imaginary parts of electrical impedance with single synchronous demodulation channel**  
**Annus, Paul; Priidel, Eiko; Land, Raul; Metshein, Margus; Krivošei, Andrei; Min, Mart; Ratassepp, Madis; Märten, Olev** 8th European Medical and Biological Engineering Conference : Proceedings of the EMBEC 2020, November 29 - December 3, 2020 Portorož, Slovenia 2021 / p. 151-157 [https://doi.org/10.1007/978-3-030-64610-3\\_18](https://doi.org/10.1007/978-3-030-64610-3_18) [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Automatic tolerance analysis of permanent magnet machines with encapsulated FEM Models using Digital-Twin-Distiller**  
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**Bimetallic metal-organic-framework-derived porous cobalt manganese oxide bifunctional oxygen electrocatalyst**  
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**Bioinspired and multifunctional tribological materials for sliding, erosive, machining, and energy-absorbing conditions : A review**  
**Kumar, Rahul, 1993-; Rezapourianghahfarokhi, Mansoureh;** Rahmani Ahranjani, Ramin; **Maurya, Himanshu Singh; Kamboj, Nikhil Kumar; Hussainova, Irina** Biomimetics 2024 / art. 209 <https://doi.org/10.3390/biomimetics9040209> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Bioprocessing of waste biomass for sustainable product development and minimizing environmental impact**  
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**Biotechnological advances for restoring degraded land for sustainable development**  
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**BOD/COD ratio as a probing index in the O/H/O process for coking wastewater treatment**



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**Trends and challenges in intelligent condition monitoring of electrical machines using machine learning**

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**Up-conversion enhancement in Er<sup>3+</sup> / Yb<sup>3+</sup> doped 1-D microcavity based on alternating aluminosilicate glass and titania sol-gel layers**

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