

Transparent Yb³⁺ doped phosphate glass-ceramics

Hongisto, M., Veber, A., Boetti, N. G., Danto, S., Jubera, V. & Petit, L., 1 Jan 2020, In : *Ceramics International*.

Research output: Contribution to journal › Article › Scientific › peer-review

In-flight wind field identification and prediction of parafoil systems

Gao, H., Tao, J., Dehmer, M., Emmert-Streib, F., Sun, Q., Chen, Z., Xie, G. & Zhou, Q., 2020, In : *Applied Sciences (Switzerland)*. 10, 6, 15 p., 1958.

Research output: Contribution to journal › Article › Scientific › peer-review

Mining tailings as raw materials for reaction-sintered aluminosilicate ceramics: Effect of mineralogical composition on microstructure and properties

Karhu, M., Lagerbom, J., Solismaa, S., Honkanen, M., Ismailov, A., Räisänen, M. L., Huttunen-Saarivirta, E., Levänen, E. & Kivikytö-Reponen, P., Mar 2019, In : *Ceramics International*. 45, 4, p. 4840-4848

Research output: Contribution to journal › Article › Scientific › peer-review

Cost-optimal energy performance measures in a new daycare building in cold climate

Sankelo, P., Jokisalo, J., Nyman, J., Vinha, J. & Sirén, K., 2019, In : *International Journal of Sustainable Energy*. 38, 2, p. 104-122 19 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Effect of apartment building energy renovation on hourly power demand

Hirvonen, J., Jokisalo, J., Heljo, J. & Kosonen, R., 2019, In : *International Journal of Sustainable Energy*.

Research output: Contribution to journal › Article › Scientific › peer-review

Towards the EU emissions targets of 2050: optimal energy renovation measures of Finnish apartment buildings

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Research output: Contribution to journal › Article › Scientific › peer-review

Volatile fatty acid adsorption on anion exchange resins: kinetics and selective recovery of acetic acid

Eregowda, T., Rene, E. R., Rintala, J. & Lens, P. N. L., 2019, In : *Separation Science and Technology (Philadelphia)*.

Research output: Contribution to journal › Article › Scientific › peer-review

The effect of carbon and nickel additions on the precursor synthesis of Cr₃C₂-Ni nanopowder

Kaunisto, K., Kotilainen, M., Karhu, M., Lagerbom, J., Vuorinen, T., Honkanen, M., Vippola, M. & Turunen, E., 1 Jun 2018, In : *Ceramics International*. 44, 8, p. 9338-9346

Research output: Contribution to journal › Article › Scientific › peer-review

Influence of the phosphate glass melt on the corrosion of functional particles occurring during the preparation of glass-ceramics

Ojha, N., Laihin, T., Salminen, T., Lastusaari, M. & Petit, L., Jun 2018, In : *Ceramics International*. 44, 10, p. 11807-11811

Research output: Contribution to journal › Article › Scientific › peer-review

The effects of laser patterning 10CeTzP-Al₂O₃ nanocomposite disc surfaces: Osseous differentiation and cellular arrangement in vitro

Goyos-Ball, L., Prado, C., Díaz, R., Fernández, E., Ismailov, A., Kumpulainen, T., Levänen, E., Torrecillas, R. & Fernández, A., Jun 2018, In : *Ceramics International*. 44, 8, p. 9472-9478

Research output: Contribution to journal › Article › Scientific › peer-review

Aqueous synthesis of Z-scheme photocatalyst powders and thin-film photoanodes from earth abundant elements

Šutka, A., Vanags, M., Joost, U., Šmits, K., Ruža, J., Ločs, J., Kleperis, J. & Juhna, T., 1 Apr 2018, In : *Journal of Environmental Chemical Engineering*. 6, 2, p. 2606-2615 10 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Deactivation of Pt/SiO₂-ZrO₂ diesel oxidation catalysts by sulphur, phosphorus and their combinations

Väliheikki, A., Kärkkäinen, M., Honkanen, M., Heikkinen, O., Kolli, T., Kallinen, K., Huuhtanen, M., Vippola, M., Lahtinen, J. & Keiski, R. L., 5 Dec 2017, In : *Applied Catalysis B-Environmental*. 218, p. 409-419 11 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Photodynamic self-disinfecting surface using pyridinium phthalocyanine

George, L., Müller, A., Röder, B., Santala, V. & Efimov, A., 1 Dec 2017, In : Dyes and Pigments. 147, p. 334-342 9 p.

Research output: Contribution to journal › Article › Scientific › peer-review

New Evidence for the Mechanism of Action of a Type-2 Diabetes Drug Using a Magnetic Bead-Based Automated Biosensing Platform

Uddin, R., Nur-E-Habiba, N., Rena, G., Hwu, E. T. & Boisen, A., 22 Sep 2017, In : ACS Sensors. 2, 9, p. 1329-1336 8 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Accelerated deactivation studies of the natural-gas oxidation catalyst-Verifying the role of sulfur and elevated temperature in catalyst aging

Honkanen, M., Kärkkäinen, M., Kolli, T., Heikkinen, O., Viitanen, V., Zeng, L., Jiang, H., Kallinen, K., Huuhtanen, M., Keiski, R. L., Lahtinen, J., Olsson, E. & Vippola, M., 2016, In : Applied Catalysis B-Environmental. p. 439-448 10 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Metrics for polyphonic sound event detection

Mesaros, A., Heittola, T. & Virtanen, T., 2016, In : Applied Sciences. 6, 6, 162.

Research output: Contribution to journal › Article › Scientific › peer-review

Enhanced photoactive and photoelectrochemical properties of TiO₂ sol-gel coated steel by the application of SiO₂ intermediate layer

Nikkanen, J. P., Huttunen-Saarivirta, E., Salminen, T., Hyvärinen, L., Honkanen, M., Isotahdon, E., Heinonen, S. & Levänen, E., 1 Sep 2015, In : Applied Catalysis B-Environmental. 174-175, p. 533-543 11 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Evaluation of crushing strength of spray-dried MgAl₂O₄ granule beds

Kanerva, U., Suhonen, T., Lagerbom, J. & Levänen, E., 1 Aug 2015, In : Ceramics International. 41, 7, p. 8494-8500 7 p.

Research output: Contribution to journal › Article › Scientific › peer-review

A facile route to synthesis of S-doped TiO₂ nanoparticles for photocatalytic activity

McManamon, C., O'Connell, J., Delaney, P., Rasappa, S., Holmes, J. D. & Morris, M. A., 30 May 2015, In : Journal of Molecular Catalysis A: Chemical. 406, p. 51-57!

Research output: Contribution to journal › Article › Scientific › peer-review

Large-area arrays of three-dimensional plasmonic subwavelength-sized structures from azopolymer surface-relief gratings

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Research output: Contribution to journal › Article › Scientific › peer-review

Effects of storage on characteristics and hygienic quality of digestates from four co-digestion concepts of manure and biowaste

Paavola, T. & Rintala, J., Oct 2008, In : Bioresource Technology. 99, 15, p. 7041-7050 10 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Storing energy crops for methane production: Effects of solids content and biological additive

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Research output: Contribution to journal › Article › Scientific › peer-review

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Anaerobic digestion of grass silage in batch leach bed processes for methane production

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Research output: Contribution to journal › Article › Scientific › peer-review

Leachate and gaseous emissions from initial phases of landfilling mechanically and mechanically-biologically treated municipal solid waste residuals

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Research output: Contribution to journal › Article › Scientific › peer-review

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Research output: Contribution to journal › Article › Scientific › peer-review

Anaerobic on-site treatment of kitchen waste in combination with black water in UASB-septic tanks at low temperatures

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Research output: Contribution to journal › Article › Scientific › peer-review

Hydrolysis rates, methane production and nitrogen solubilisation of grey waste components during anaerobic degradation

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Research output: Contribution to journal › Article › Scientific › peer-review

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Vavilin, V. A., Lokshina, L. Y., Jokela, J. P. Y. & Rintala, J. A., Aug 2004, In : Bioresource Technology. 94, 1, p. 69-81 13 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Comparison of laboratory-scale thermophilic biofilm and activated sludge processes integrated with a mesophilic activated sludge process

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Research output: Contribution to journal › Article › Scientific › peer-review

Anaerobic digestion of organic solid poultry slaughterhouse waste - A review

Salminen, E. & Rintala, J., 2002, In : Bioresource Technology. 83, 1, p. 13-26 14 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Anaerobically digested poultry slaughterhouse wastes as fertiliser in agriculture

Salminen, E., Rintala, J., Härkönen, J., Kuitunen, M., Högmänder, H. & Oikari, A., 2001, In : Bioresource Technology. 78, 1, p. 81-88 8 p.

Research output: Contribution to journal › Article › Scientific › peer-review