

# Szabolcs Kertész

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

571  
citations

567144

15  
h-index

677027

22  
g-index

49  
all docs

49  
docs citations

49  
times ranked

622  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Submerged hollow fiber microfiltration as a part of hybrid photocatalytic process for dye wastewater treatment. <i>Desalination</i> , 2014, 343, 106-112.  | 4.0 | 88        |
| 2  | Recent development of photocatalytic nanomaterials in mixed matrix membrane for emerging pollutants and fouling control, membrane cleaning process. <i>Chemosphere</i> , 2021, 281, 130891.  | 4.2 | 41        |
| 3  | Titanium dioxide doped hydroxyapatite incorporated photocatalytic membranes for the degradation of chloramphenicol antibiotic in water. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 1057-1066.   | 1.6 | 29        |
| 4  | Concentration of blackcurrant juice by reverse osmosis. <i>Desalination</i> , 2009, 241, 256-264.  | 4.0 | 28        |
| 5  | Thermophilic biotrickling filtration of a mixture of isobutyraldehyde and 2-pentanone. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 74-80.  | 1.6 | 27        |
| 6  | Effect of preozonation on the filterability of model dairy waste water in nanofiltration. <i>Desalination</i> , 2009, 240, 170-177.  | 4.0 | 25        |
| 7  | Comparison of the Effects of Ozone, UV and Combined Ozone/UV Treatment on the Color and Microbial Counts of Wheat Flour. <i>Ozone: Science and Engineering</i> , 2008, 30, 413-417.  | 1.4 | 23        |
| 8  | Analysis of nanofiltration parameters of removal of an anionic detergent. <i>Desalination</i> , 2008, 221, 303-311.  | 4.0 | 22        |
| 9  | Pomegranate peel as a new low-cost adsorbent for ammonium removal. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 711-722.   | 1.8 | 22        |
| 10 | Nanofiltration and reverse osmosis of pig manure: Comparison of results from vibratory and classical modules. <i>Desalination and Water Treatment</i> , 2010, 14, 233-238.   | 1.0 | 21        |
| 11 | Fouling mitigation and cleanability of TiO <sub>2</sub> photocatalyst-modified PVDF membranes during ultrafiltration of model oily wastewater with different salt contents. <i>Environmental Science and Pollution Research</i> , 2018, 25, 34912-34921.               | 2.7 | 21        |
| 12 | Biogas Production of Ozone and/or Microwave-Pretreated Canned Maize Production Sludge. <i>Ozone: Science and Engineering</i> , 2009, 31, 257-261.  | 1.4 | 20        |
| 13 | Emulsion stabilizing capacity of sugar beet fibers compared to sugar beet pectin and octenyl succinate modified maltodextrin in the production of O/W emulsions: individual and combined impact. <i>LWT - Food Science and Technology</i> , 2019, 108, 392-399.        | 2.5 | 20        |
| 14 | Dairy Waste Water Treatment by Combining Ozonation and Nanofiltration. <i>Separation Science and Technology</i> , 2007, 42, 1627-1637.   | 1.3 | 19        |
| 15 | Advantages of TiO <sub>2</sub> /carbon nanotube modified photocatalytic membranes in the purification of oil-in-water emulsions. <i>Water Science and Technology: Water Supply</i> , 2019, 19, 1167-1174.  | 1.0 | 18        |
| 16 | Dairy wastewater purification by vibratory shear enhanced processing. <i>Desalination and Water Treatment</i> , 2011, 35, 195-201.   | 1.0 | 14        |
| 17 | Investigation of the applicability of TiO <sub>2</sub> , BiVO <sub>4</sub> , and WO <sub>3</sub> nanomaterials for advanced photocatalytic membranes used for oil-in-water emulsion separation. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2020, 15, e2549. | 0.8 | 14        |
| 18 | The Adsorption of Ammonium Nitrogen from Milking Parlor Wastewater Using Pomegranate Peel Powder for Sustainable Water, Resources, and Waste Management. <i>Sustainability</i> , 2020, 12, 4880.   | 1.6 | 13        |

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|----|--|-----|-----------|
| 19 | Matrix effect in case of purification of oily waters by membrane separation combined with pre-ozonation. <i>Environmental Science and Pollution Research</i> , 2018, 25, 34976-34984.  | 2.7 | 8         |
| 20 | Comparison of 3DTA and VSEP systems during the ultrafiltration of sweet whey. <i>Desalination and Water Treatment</i> , 2009, 10, 265-271.   | 1.0 | 7         |
| 21 | Investigation of parameters affecting the ultrafiltration of oil-in-water emulsion wastewater. <i>Desalination and Water Treatment</i> , 2013, 51, 4914-4920.  | 1.0 | 7         |
| 22 | Concentration of marc extracts by membrane techniques. <i>Desalination</i> , 2009, 241, 265-271.   | 4.0 | 6         |
| 23 | Investigation of surface and filtration properties of TiO <sub>2</sub> coated ultrafiltration polyacrylonitrile membranes. <i>Water Science and Technology</i> , 2018, 77, 931-938.  | 1.2 | 6         |
| 24 | Effects of pre-ozonation in case of microfiltration of oil contaminated waters using polyethersulfone membrane at various filtration conditions. , 0, 73, 409-414.   |     | 6         |
| 25 | Modeling of membrane separation and applying combined operations at biosystems. <i>Progress in Agricultural Engineering Sciences</i> , 2013, 9, 3-25.  | 0.5 | 5         |
| 26 | Effects of Pre-ozonation on Membrane Filtration of Oil-in-water Emulsions Using Different Polymeric (PES, PAN, PTFE) Ultrafilter Membranes. <i>Ozone: Science and Engineering</i> , 2020, 42, 230-243.                         | 1.4 | 5         |
| 27 | Comparison of filtering models for milk substitutes. <i>Journal of Food Science and Technology</i> , 2021, 58, 4429-4436.  | 1.4 | 5         |
| 28 | Investigation of vibratory shear-enhanced processing system. <i>Progress in Agricultural Engineering Sciences</i> , 2009, 5, 97-110.   | 0.5 | 4         |
| 29 | A statistical experimental design for the separation of zinc from aqueous solutions containing sodium chloride and n-butanol by Micellar-enhanced ultrafiltration. <i>Desalination and Water Treatment</i> , 2009, 9, 221-228. | 1.0 | 4         |
| 30 | Investigation of module vibration in ultrafiltration. <i>Desalination and Water Treatment</i> , 2015, 55, 2836-2842.   | 1.0 | 4         |
| 31 | Ultrasound membrane hybrid processes for dairy wastewater treatment: pilot-scale analysis. <i>Desalination and Water Treatment</i> , 2016, 57, 23335-23342.  | 1.0 | 4         |
| 32 | Effect of vibration on the efficiency of ultrafiltration. <i>Analecta Technica Szegedinensia</i> , 2021, 15, 37-44.  | 0.2 | 4         |
| 33 | Advanced extraction and separation approaches for the recovery of dietary flavonoids from plant biomass: A review. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.   | 2.9 | 4         |
| 34 | Treatment of waste thermal waters by ozonation and nanofiltration. <i>Water Science and Technology</i> , 2013, 67, 1272-1279.  | 1.2 | 3         |
| 35 | Industrial dairy wastewater purification by shear-enhanced membrane filtration: The effects of vibration. <i>Membrane Water Treatment</i> , 2014, 5, 73-86.  | 0.5 | 3         |
| 36 | Investigation of Titanium-Dioxide Coatings on Membrane Filtration Properties. <i>Studia Universitatis Babes-Bolyai Chemia</i> , 2017, 62, 249-259.   | 0.1 | 3         |

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|----|---|-----|-----------|
| 37 | Iron-Loaded Pomegranate Peel as a Bio-Adsorbent for Phosphate Removal. <i>Water</i> (Switzerland), 2021, 13, 2709.  | 1.2 | 3         |
| 38 | Filtration of BSA through TiO <sub>2</sub> photocatalyst modified PVDF membranes. , 0, 192, 392-399.  |     | 3         |
| 39 | Comparison between stirred and vibrated UF modules. <i>Desalination and Water Treatment</i> , 2010, 14, 239-245.  | 1.0 | 2         |
| 40 | Highly Efficient Purification of Finely Dispersed Oil Contaminated Waters by Coagulation/Flocculation Method and Effects on Membrane Filtration. <i>Studia Universitatis Babes-Bolyai Chemia</i> , 2017, 62, 259-270. | 0.1 | 2         |
| 41 | Membrane fouling control by means of TiO <sub>2</sub> coating during model dairy wastewater filtration. , 0, 73, 415-421.   |     | 2         |
| 42 | Life cycle assessment of liquid inverted sugar and high-fructose corn syrup. <i>Analecta Technica Szegedinensia</i> , 2019, 13, 28-39.  | 0.2 | 2         |
| 43 | The hydrodynamic effect of microparticles on membrane resistance. <i>Desalination and Water Treatment</i> , 2010, 14, 227-232.  | 1.0 | 1         |
| 44 | Whey separation using TiO <sub>2</sub> -modified ultrafiltration membrane. <i>Acta Alimentaria</i> , 2014, 43, 78-84.   | 0.3 | 1         |
| 45 | The effect of sonication and stirring on ultrafiltration of fermentation broth. <i>Environmental Protection Engineering</i> , 2020, 46, .   | 0.1 | 1         |
| 46 | Effects of shear rate on membrane filtration. , 0, 69, 43-49.   |     | 1         |
| 47 | Vibratory membrane separation for wastewater treatment. <i>Progress in Agricultural Engineering Sciences</i> , 2018, 14, 25-35.   | 0.5 | 0         |
| 48 | Sonicated membrane separation. <i>Progress in Agricultural Engineering Sciences</i> , 2018, 14, 89-99.  | 0.5 | 0         |
| 49 | Changes in the legal and support background of woody energy plantations. <i>Analecta Technica Szegedinensia</i> , 2019, 13, 72-81.  | 0.2 | 0         |