

論文

No.	刊行年	執筆者	タイトル	掲載誌等
1	2012	Fukahori S*, Fujiwara T, Ito R and Funamizu N	Photocatalytic decomposition of crotamiton over aqueous TiO ₂ suspensions: determination of intermediates and the reaction pathway	Chemosphere, 89(3) : 213-220
2	2013	Fukahori S*, Fujiwara T, Matsukawa K, Funamizu N and Ito R	Adsorptive removal of sulfonamide antibiotics in livestock urine using the high-silica zeolite HSZ-385	Water Science and Technology, 67(2) : 319-325
3	2014	Ito M, Fukahori S*, Fujiwara T	Adsorptive removal and photocatalytic decomposition of sulfamethazine in secondary effluent using TiO ₂ -zeolite composites	Environmental Science and Pollution Research, 21(2) : 834-842
4	2014	Fukahori S*, Fujiwara T	Modeling of Sulfonamide Antibiotic Removal by TiO ₂ /High-Silica Zeolite HSZ-385 Composite	Journal of Hazardous Materials, 272(3) : 1-9.
5	2014	Yabutani T*, Inoi Y, Kimura A, Yamada Y and Takayanagi T	Speciation of Chromium(VI) and Selenium(IV and VI) by High-Performance Liquid Chromatography - Fluorometric Detection Using 2,3-Diaminonaphthalene as a Single Derivatizing Reagent	Bulletin of Chemical Society of Japan, 87(12) : 1402-1406
6	2014	Hideno A*, Abe K and Yano H	Preparation using pectinase and characterization of nanofibers from orange peel waste in juice factories	Journal of Food Science, 79(6) : N1218-N1224
7	2014	Nonaka H, Hideno A*	Quantification of cellulase adsorbed on saccharification residue without the use of colorimetric protein assays	Journal of Molecular Catalysis B : Enzymatic, 110 : 54-58
8	2014	Kojima Y, Isa A*, Kobori H, Suzuki S, Ito H, Makise R and Okamoto M	Evaluation of Binding Effects in Wood Flour Board Containing Ligno-Cellulose Nanofibers	Materials, 7(9) : 6853-6864
9	2015	内村浩美	診断・検査用ペーパーデバイスの開発	機能紙研究会誌, 54 : 43-46
10	2015	Fukugaichi S*, Matsue N	Enhanced optical absorption of nanosized TiO ₂ by composition with zeolite	Materials Chemistry and Physics, 160 : 1-4
11	2015	Takayanagi T, Amiya M, Shimakami N and Yabutani T*	Determination of acid dissociation constant of pravastatin under degraded conditions by capillary zone electrophoresis	Analytical Sciences, 31(11) : 1193-1196
12	2015	Tekeste Z, Amare B, Asfaw F, Fantahun B, Nguyen NV, Nishikawa T, Yabutani T*, Okayasu T, Ota F and Kassu A	Determination of trace elements in Ethiopian, Vietnamese, and Japanese women using high-resolution ICPMS	Nutrition, 31(10) : 1243-1246
13	2015	Yabutani T*, Nakamura T and Takayanagi T	Leaching of metals from steel samples in peracetic acid.	Modern Physics Letters B, 29(No06n07) : 1540038
14	2015	Fukahori S*, Fujiwara T	Photocatalytic decomposition behavior and reaction pathway of sulfamethazine antibiotic using TiO ₂	Journal of Environmental Management, 157 : 103-110
15	2015	Fukahori S*, Fujiwara T, Ito R and Funamizu N.	Sulfonamide antibiotic removal and nitrogen recovery from synthetic urine by the combination of rotating advanced oxidation contactor and methylene urea synthesis process	Water Science and Technology, 72(2) : 238-244
16	2016	野村洋平, 深堀秀史*, 塩澤靖, 藤原拓	活性炭/酸化チタン複合触媒による廃棄物処分場浸出水中1,4-ジオキサンの吸着・分解特性	土木学会論文集G(環境), 72(7) : 419-427
17	2016	Isa A*, Minamino J, Kojima Y, Suzuki S, Ito H, Makise R, Okamoto M and Endo T	The influence of dry-milled wood flour on the physical properties of wood flour/polypropylene composites	Journal of Wood Chemistry and Technology, 36(2) : 105-113
18	2016	Takayanagi T, Shimakami N, Kurashima M, Mizuguchi H and Yabutani T*	Determination of the acid-base dissociation constant of acid-degradable hexamethylenetetramine by capillary zone electrophoresis	Analytical Sciences, 32(12) : 1327-1332
19	2016	Hideno A	Comparison of the thermal degradation properties of crystalline and amorphous cellulose, as well as treated lignocellulosic biomass	BioResources, 11(3) : 6309-6319
20	2016	Hideno A*, Abe K, Uchimura H* and Yano H	Preparation by combined enzymatic and mechanical treatment and characterization of nanofibrillated cotton fibers	Cellulose, 23(6) : 3639-3651
21	2017	Hideno A	Short-time alkaline peroxide pretreatment for rapid pulping and efficient enzymatic hydrolysis of rice straw	Bioresource Technology, 230 : 140-142
22	2017	Nomura Y, Fukahori S*, Fukada H and Fujiwara T	Removal behaviors of sulfamonomethoxine and its degradation intermediates in fresh aquaculture wastewater using zeolite/TiO ₂ composites	Journal of Hazardous Materials, 340 : 427-434
23	2017	Xiang Q, Fukahori S*, Yamashita N, Tanaka H and Fujiwara T	Removal of crotamiton from reverse osmosis concentrate by a TiO ₂ /Zeolite composite sheet	Applied Science, 7(8) : 778-793
24	2018	Fukugaichi S*, Matsue N	One-step synthesis of calcium sulfate hemihydrate nanofibers from calcite at room temperature	ACS Omega, 3(3) : 2820-2824
25	2018	Xiang Q, Fukahori S*, Nomura Y and Fujiwara T	Removal of Crotamiton and its degradation intermediates from secondary effluent using TiO ₂ -Zeolite composites	Water Science and Technology, 77(3) : 788-799
26	2018	Yabutani T*, Kishibe S, Kamimura M, Nozoe K, Yamada Y and Takayanagi T	Copper Speciation for Natural Water by On-site Sample Treatment/Solid-phase Extraction/Inductively Coupled Plasma Mass Spectrometry	Analytical Sciences, 34(6) : 725-728
27	2018	Yamada Y, Toyama S and Yabutani T*	Effects of solvents on the crystal structure of cross-linked lysozyme crystals	International Journal of Modern Physics B, 32(19) : 1840041
28	2018	Yabutani T*, Nakamura T, Takayanagi T and Yamada Y	Effect of leaching conditions on the elution of metals from denitration catalyst wastes	International Journal of Modern Physics B, 32(19) : 1840062.

29	2018	Hideno A	Thermal degradation behavior of ball-milled Miscanthus plants and its relationship to enzymatic hydrolysis	BioResources, 13(3) : 6383-6395
30	2019	山田洋平, 鈴木崇仁, 岡田英理子, 高柳俊夫, 鈴木良尚, 村井啓一郎, 藪谷智規*	タンパク質結晶成長場及びX線回折実験用試料固定材としてのトラックエッチドメンブランフィルターの利用	分析化学, 68(9) : 639 - 646
31	2019	Hideno A*, Abe K, Yano H and Uchimura H*	Characterization of nanofibers from Japanese orange inner peels prepared using pectinase and diluted alkali	Journal of the Japan Institute of Energy, 98(5) : 85-89
32	2019	Fukugaichi S	Fixation of titanium dioxide nanoparticles on glass fiber cloths for photocatalytic degradation of organic dyes	ACS Omega, 4(12) : 15175-15180
33	2019	Fukahori S*, Fujiwara T	Preparation of flexible TiO ₂ /zeolite composite sheets for removal of sulfamethazine from wastewater using papermaking technique	Journal of Water and Environment Technology, 17(6) : 395-406
34	2019	Xiang Q, Nomura Y, Fukahori S*, Mizuno T, Tanaka H and Fujiwara T	Innovative Treatment of Organic Contaminants in Reverse Osmosis Concentrate from Water Reuse: A Mini-Review	Current Pollution Reports, 5 : 294-307
35	2019	Nomura Y, Fukahori S* and Fujiwara T	Thermodynamics of removing crotamiton and its transformation byproducts from water by a rotating advanced oxidation contactor with zeolite/TiO ₂ composite sheets	Chemical Engineering Journal, 380(15) : 122479
36	2019	西村慎祐, 福田直大, 秀野晃大*	柑橘CNFの化粧品への利用可能性について	フレグランスジャーナル, 47(11) : 46 - 53
37	2020	Nomura Y, Fukahori S* and Fujiwara T	Removal of 1,4-dioxane from landfill leachate by a rotating advanced oxidation contactor equipped with activated carbon/TiO ₂ composite sheets	Journal of Hazardous Materials, 383(5) : 121005
38	2020	Nomura Y, Fukahori S* and Fujiwara T	Removal of sulfamonomethoxine and its transformation byproducts from fresh aquaculture wastewater by a rotating advanced oxidation contactor equipped with zeolite/TiO ₂ composite sheets	Process Safety and Environmental Protection, 134 : 161
39	2020	Xiang Q, Fukahori S*, Yamashita N, Tanaka H and Fujiwara T	Removing Crotamiton from Reverse Osmosis Concentrate by Using Coagulation and a Rotating Advanced Oxidation Contactor	Environmental Quality Management, 31(2) : 85-94
40	2020	Tanoue K, Hikasa K, Hamaoka Y, Yoshinaga A, Nishimura T, Uemura Y and Hideno A*	Heat and mass transfer during lignocellulosic biomass torrefaction: Contributions from the major components—cellulose, hemicellulose, and lignin	Processes, 8(8) : 959
41	2020	Hideno A	Thermogravimetric analysis-based characterization of suitable biomass for alkaline peroxide treatment to obtain cellulose and fermentable sugars	BioResources, 15(3) : 6217-6229
42	2021	Kojima Y, Makino T, Ota K, Murayama K, Kobori H, Aoiki K, Suzuki S and Ito H*.	Evaluation of the mechanical physical properties of insulation fiberboard with cellulose nanofiber	Forest Production Journal, 71(3) : 275-282
43	2021	Uetsuji Y, Yasuda Y, Yamaguchi S, Matsushima E, Adachi M, Fuji M and Ito H*	Multiscale study on thermal insulating effect of a hollow silica-coated polycarbonate window for residential buildings	Renewable and Sustainable Energy Reviews, 152 : 111718
44	2021	Konagaya K, Takahashi N, Fukugaichi S*, Morimatsu K and Kuramoto M	Effect of post-harvest temperature of tomato 'Rinka 409' on quality and autofluorescence during overripening	IOP Conference Series: Earth and Environmental Science, 924(1) : 012020
45	2022	Fukugaichi S*, Tomosugi Y, Aono H	Facile synthesis of hydrophilic layered double hydroxide film on aluminum plate	Inorganic Chemistry Communications, 142 : 109647
46	2022	Takemoto T, Konagaya K, Kuramoto M, Fukugaichi S* and Kondo N	Response of sweet pepper autofluorescence against solar radiation	Photochemical & Photobiological Sciences, 21(11) : 2053-2060
47	2022	Nomura Y, Koga K, Ohnishi K, Fukahori S* and Fujiwara T	Inactivation of plant pathogenic bacterium Ralstonia solanacearum in drainage solution from hydroponic system by a rotating advanced oxidation contactor equipped with TiO ₂ /zeolite composite sheet	Journal of Water Process Engineering, 48 : 102936-102945
48	2023	Fukugaichi S*, Mayasari E, Johan E and Matsue N	One-step preparation of lignocellulose nanofibers from Musa basjoo pseudo-stem	Chemical Papers, 77 : 3619-3627
49	2023	秀野晃大*, 藪谷智規*, 杉山智規, 西田典由, 内村浩美*	多層ワイヤーを用いた機械的解繊セルロースナノファイバー脱水濃縮法の開発	Journal of Fiber Science and Technology, 79(5) : 112-123