

平成30年度発表論文一覧 | Publications of FY2018

Category : 1: peer reviewed, 2: non peer reviewed journals/books, 3: others

ID	Title	IERAuthor	Author	Journal	Category	Month/Year	DOI
	タイトル	IER著者	著者	雑誌名	分類	年月	
IER-2018-044	Concentration of radioactive materials in small mammals collected from a restricted area in Fukushima, Japan since 2012.	Hiroko Ishiniwa	Hiroko Ishiniwa, Tsukasa Okano, Akira Yoshioka, Masanori Tamaoki,	Ecological Research, 34:7	1	January, 2019	10.1111/1440-1703.1016
IER-2018-043	Crystal structure of a dinuclear ruthenium(II) complex with a bent CO₂ 2- bridge	Tsugiko Takase	Tsugiko Takase, Ryosuke Abe, Dai Oyama	Coordination Chemistry Reviews, Volume 375, Pages 424-433	1	August, 2018	10.1107/S2056989018009921
IER-2018-042	Coordination chemistry of mononuclear ruthenium complexes bearing versatile 1,8-naphthyridine units: Utilization of specific reaction sites constructed by the secondary coordination sphere	Tsugiko Takase	Dai Oyama, Ryosuke Abe, Tsugiko Takase	Coordination Chemistry Reviews, Volume 375, Pages 424-433	1	November, 2018	10.1016/j.ccr.2017.11.024
IER-2018-041	Effects of cooking on dietary exposure to arsenic from rice and vegetables: Human health risks	Ismail M.M. Rahman	Mohammad A.Rahman, Ismail M.M.Rahman, Hiroshi Hasegawa	Reference Module in Earth Systems and Environmental Sciences	1	2018	10.1016/B978-0-12-409548-9.10996-0
IER-2018-040	Chelator-induced recovery of rare earths from end-of-life fluorescent lamps with the aid of mechano-chemical energy	Ismail M.M. Rahman	Hiroshi Hasegawa, Zinnat A.Begum, Ryuta Murase, Kento Ishii, Hikaru Sawai, Asami S. Mashio, Teruya Maki, Ismail M.M.Rahman	Waste Management, Volume 80, Pages 17-25	1	October, 2018	10.1016/j.wasman.2018.08.049
IER-2018-039	On-site analysis of gold, palladium, or platinum in acidic aqueous matrix using liquid electrode plasma-optical emission spectrometry combined with ion-selective preconcentration	Ismail M.M. Rahman	Suman Barua, Ismail M.M.Rahman, Maho Miyaguchi, Asami S.Mashio, Teruya Maki, Hiroshi Hasegawa	Sensors and Actuators B: Chemical, Volume 272, Pages 91-99	1	November, 2018	10.1016/j.snb.2018.05.132
IER-2018-038	Environmental hazards associated with open-beach breaking of end-of-life ships: a review	Ismail M.M. Rahman	Suman Barua, Ismail M.M. Rahman, Mohammad Mosharruf Hossain, Zinnat A. Begum, Iftakharul Alam, Hikaru Sawai, Teruya Maki, Hiroshi	Environmental Science and Pollution Research, Volume 25, Issue 31, pp 30880-30893	1	November, 2018	10.1007/s11356-018-3159-8
IER-2018-037	Empiric and semi-empiric modeling of radionuclide long-term dynamics in the soil-water environment: Fukushima and Chernobyl	Konoplev A, Wakiyama Y,Igarashi Y, Nanba K, Onda Y.	Konoplev A, Wakiyama Y,Igarashi Y, Kanivets V., Laptev G., Obrizan S., Bogdan L., Balashevskaya Y., Nanba K, Onda Y.,	Proceedings of the 9th International Congress on Environmental Modelling and Software, Fort Collins, Colorado, USA,	3	June, 2018	
IER-2018-036	Radiocaesium in Ponds in the Near Zone of Fukushima Dai-ichi NPP	A. Konoplev, Y. Wakiyama, T. Wada, V. Golosov, K. Nanba, T. Takase	A. Konoplev, Y. Wakiyama, T. Wada, V. Golosov, K. Nanba, T. Takase	Water Resources, Volume 45, Issue 4, pp 589-597	1	July, 2018	10.1002/loe2.10007
IER-2018-035	Radioactivity in the Marine Environment: Understanding the Basics of Radioecology	Michio Aoyama	Claudia R. Benitez-Nelson, Ken	Limnology and Oceanography e-Lectures, Volume 8, Issue 1, 170-228	1	December, 2018	10.1002/loe2.10007
IER-2018-034	Radioactivity in the Marine Environment: Cosmogenic and Anthropogenic Radionuclides	Michio Aoyama	Claudia R. Benitez-Nelson, Ken Buesseler, Minhan Dai, Michio Aoyama, Núria Casacuberta, Sabine Charmasson, Andy Johnson, José	Limnology and Oceanography e-Lectures, Volume 8, Issue 1, 114-169	1	December, 2018	10.1002/loe2.10009
IER-2018-033	Radioactivity in the Marine Environment: Uranium - Thorium Decay Series	Michio Aoyama	Claudia R. Benitez-Nelson, Ken Buesseler, Minhan Dai, Michio Aoyama, Núria Casacuberta, Sabine Charmasson, Andy Johnson, José Marcus Godoy, Vladimir Maderich, Pere Masqué, Willard Moore, Paul J. Morris, Michiel Rutgers van der Loeff, John N. Smith	Limnology and Oceanography e-Lectures, Volume 8, Issue 1, 59-113	1	December, 2018	10.1002/loe2.10009
IER-2018-032	Radioactivity in the Marine Environment: Understanding the Basics of Radioactivity	Michio Aoyama	Claudia R. Benitez-Nelson, Ken Buesseler, Minhan Dai, Michio Aoyama, Núria Casacuberta, Sabine Charmasson, Andy Johnson, José	Limnology and Oceanography e-Lectures, Volume 8, Issue 1, 1-58	1	December, 2018	10.1002/loe2.10010
IER-2018-031	Changes in the soil to brown rice concentration ratio of radiocaesium before and after the Fukushima Daiichi Nuclear Power Plant Accident in 2011	H.Tsukada	K. Tagami, H. Tsukada, S. Uchida and B. J. Howard	Environmental Science and Technology, 52, 8339-8345	1	July, 2018	10.1021/acs.est.8b01745
IER-2018-030	A comparison of methods to derive aggregated transfer factors using wild	Kei Okuda, Kenji	Donovan Anderson, Kei Okuda, Ann Shigeto Nishino, Yusuke	Journal of Environmental Radioactivity 197, pages 101-108	1	February, 2019	10.1016/j.jenvrad.2018.12.009
IER-2018-029	Biogeochemical Anatomy of a Cyclonic Warm - Core Eddy in the Arctic Ocean	Michio Aoyama	Kawaguchi, Amane Fujiwara, Takuhei Shiozaki, Michio Aoyama, Naomi Harada, Takashi Kikuchi	Geophysical Research Letters	1	November, 2018	10.1029/2018GL079659
IER-2018-028	Estimate of Fukushima-derived radiocaesium in the North Pacific Ocean in summer 2012	Michio Aoyama	Y. Inomata, M. Aoyama, T. Tsubono D. Tsumune, Y. Kumamoto, H. Nagai, T. Yamagata, M. Kaiino, Y. Tanaka, T. Sekiyama, E. Oka, M. Yamada,	Journal of Radioanalytical and Nuclear Chemistry	1	July, 2018	10.1007/s10967-018-6249-7

IER-2018-027	IOCCP-JAMSTEC 2018 Inter-laboratory Comparison Exercise of a Certified Reference Material for Nutrients in Seawater	Michio Aoyama	Michio Aoyama	Japan Agency for Marine-Earth Science and Technology	1	August, 2018	
IER-2018-026	Similarities and differences of ¹³⁷Cs distributions in the marine environments of the Baltic and Black seas and off the Fukushima Dai-ichi nuclear power plant in model assessments	Michio Aoyama	V.MaderichaR,BezhenaraY,TatedabM AoyamacD,Tsumuneb	Marine Pollution Bulletin Vol.135, 895-906	1	October, 2018	10.1016/j.marpolbul.2018.08.026
IER-2018-025	"The POSEIDON-R compartment model for the prediction of transport and fate of radionuclides in the marine environment"	Michio Aoyama	Maderich V., Bezhenar R., Tateda Y., Aoyama M., Tsumune D., Jung, K. T., de With G.	MethodsX, 5, 1251-1266	1	July, 2018	10.1016/j.mex.2018.10.002
IER-2018-024	Biogeochemical Anatomy of a Cyclonic Warm-Core Eddy in the Arctic Ocean	Michio Aoyama	Shigeto Nishino, Yusuke Kawaguchi	Geophysical Research Letters	1	October, 2018	10.1029/2018GL079659
IER-2018-023	Long range transport of radiocaesium derived from global fallout and the Fukushima accident in the Pacific Ocean since 1953 through 2017	Michio Aoyama	Michio Aoyama	Journal of Radioanalytical and Nuclear Chemistry 1-24	1	October, 2018	10.1007/s10967-018-6244-z
IER-2018-022	Time evolution of Fukushima-derived radiocaesium in the western subtropical gyre of the North Pacific Ocean by 2017	Michio Aoyama	Yuichiro Kumamoto, Michio Aoyama, Yasunori Hamajima, Eitarou Oka and Akihiko Murata	Journal of Radioanalytical and Nuclear Chemistry	1	August, 2018	
IER-2018-021	Transport of FNPP1-derived radiocaesium from subtropical mode water in the western North Pacific Ocean to the Sea of Japan	Michio Aoyama	Yayoi Inomata, Michio Aoyama, Yasunori Hamajima, Masatoshi Yamada	Ocean Science 14, 813-826, 2018	1	August, 2018	10.5194/os-14-813-2018
IER-2018-020	Radiocaesium derived from the TEPCO Fukushima accident in the North Pacific Ocean: Surface transport processes until 2017	Michio Aoyama	Michio Aoyama, Yasunori Hamajima, Yayoi Inomata, Yuichiro Kumamoto, Eitarou Oka, Takaki Tsubono, Daisuke Tsumune	Journal of Environmental Radioactivity 189 (2018) 93-102	1	September, 2018	10.1016/j.jenvrad.2018.03.014
IER-2018-019	Radiometric determination of anthropogenic radionuclides in seawater samples	Michio Aoyama	Michio Aoyama	Guideline of ocean observations Vol. 9, G901ENr1:001-014, 2018	1	July, 2018	ISBN 978-4-908553-64-6
IER-2018-018	DETERMINATION OF DISSOLVED NUTRIENTS (N, P, Si) IN SEAWATER WITH HIGH PRECISION AND INTER-COMPARABILITY USING GAS-SEGMENTED CONTINUOUS FLOW ANALYSERS	Michio Aoyama	Michio Aoyama	Guideline of ocean observations Vol. 3, G302EN:001-095, 2016	1	July, 2018	ISBN 978-4-908553-58-5
IER-2018-017	Ocean variables and the International system of units (SI)	Michio Aoyama	Michio Aoyama	Guideline of ocean observations Vol. 1, G101EN:001-00, 2016	1	July, 2018	ISBN 978-4-908553-56-1
IER-2018-016	Evidence of long-distance dispersal of a gray wolf from the Chernobyl Exclusion Zone	Hinton T	Michael E. Byrne, Sarah C. Webster, Stacey L. Lance, Cara N. Love, Thomas G. Hinton, Dmitry Shamovich, James C. Beasley	European Journal of Wildlife Research	1	June, 2018	10.1007/s10344-018-1201-2
IER-2018-015	四度東京電力福島第一原子力発電所事故に由来する汚染水問題を考える	青山道夫	青山道夫	岩波書店 科学 第88巻 7号 708-712, 2018	2	July, 2018	10.1021/acs.jced.7b00971
IER-2018-014	Viscometric studies of molecular interactions in binary liquid mixtures of isomeric xylenes with methanol	I.M.M. Rahman	M.K.M.Z. Hyder, M.A. Saleh, F. Hossain, S.H. Mir, K. Iwakabe and I.M.M. Rahman	Journal of Chemical and Engineering Data, Vol. 63, No. 5, pp. 1370-1381, 2018	1	May, 2018	10.1021/acs.jced.7b00971
IER-2018-013	Selective recovery of gold, palladium, or platinum from acidic waste solution	I.M.M. Rahman	H. Hasegawa, S. Barua, T. Wakabayashi, A. Mashio, T. Maki, Y. Furusho and I.M.M. Rahman	Microchemical Journal, Vol. 139, pp. 174-180, 2018	1	May, 2018	10.1016/j.microc.2018.02.025
IER-2018-012	Binding of proton and iron to lignite humic acid size-fractions in aqueous matrix	I.M.M. Rahman	Z.A. Begum, I.M.M. Rahman, Y. Tate, T. Ichijo and H. Hasegawa	Journal of Molecular Liquids, Vol. 254, pp. 241-247, 2018	1	May, 2018	10.1016/j.molliq.2018.01.104
IER-2018-011	On-site analysis of gold, palladium, or platinum in acidic aqueous matrix using liquid electrode plasma-optical emission spectrometry combined with ion-selective preconcentration	I.M.M. Rahman	S. Barua, I.M.M. Rahman, M. Miyaguchi, A.S. Mashio, T. Maki and H. Hasegawa	Sensors and Actuators B: Chemical, Vol. 272, pp. 91-99, 2018	1	May, 2018	10.1016/j.snb.2018.05.132
IER-2018-010	Model-based analyses of the cesium dynamics in the small mesotrophic reservoir, Pond 4. II. Development of a rate-based kinetic model	Hinton T	Jeong H, Miller V, Hinton T, E. Johnson T, E. Pinder III J	Journal of Environmental Radioactivity 189(2018)266-281	1	February, 2018	10.1016/j.jenvrad.2018.02.004
IER-2018-009	Model-based analyses of the cesium dynamics in the small mesotrophic reservoir, Pond 4. I. Estimating the inventories of and the fluxes among the pond's major biotic components	Hinton T	Jeong H, Miller V, Hinton T, E. Johnson T, E. Pinder III J	Journal of Environmental Radioactivity 189(2018)282-296	1	February, 2018	10.1016/j.jenvrad.2018.02.005
IER-2018-008	福島県の農業環境における放射性セシウムと内部被ばく線量 Radiocaesium in agricultural environment and internal radiation dose from foods in Fukushima	塚田祥文	塚田祥文	第31回環境工学連合講演会講演論文集 pp5-8	1	May, 2018	
	福島県内の阿武隈川水系における外来魚チャネルキャットフィッシュの分布、サイズ組成、および成熟状況	和田敏裕	鷹崎和義、和田敏裕、森下大悟、佐藤利幸、佐久間徹、鈴木俊二、川田曉	水産増殖			

IER-2018-007	Spatial and size distribution, and gonadal maturation of an alien species, channel catfish <i>Ictalurus punctatus</i>, in the Abukuma River system in Fukushima Prefecture, Japan	Wada T	Takasaki K, <u>Wada T</u> , Morishita D, Sato T, Sakuma T, Suzuki S, Kawada A	Aquaculture Science	1	March, 2018	
IER-2018-006	海水試料中の人工放射性核種の放射能測定法 Radiometric determination of anthropogenic radionuclides in seawater samples	青山道夫	青山道夫、(編集者) 小笠恒夫 <u>Aoyama M</u> , (Editor) Ono T	日本海洋学会 海洋観測ガイドライン Vol. 9 天然および人工放射能、第一章 Ocean Observations Volume 9 Natural and Artificial Radioactivity, The Oceanographic Society of Japan	1	January, 2018	ISBN 978-4-908553-34-9
IER-2018-005	Fukushima radionuclides in the marine environment from coastal region of Japan to the Pacific Ocean through the end of 2016	青山道夫	<u>Aoyama M</u> , Inomata Y, Tsumune D, Tateda Y	Nuclear Science and Technology	1	inpress	
IER-2018-004	Tritium and radiocarbon in the western North Pacific waters: post-Fukushima situation	青山道夫	Kaizera J, <u>Aoyama M</u> , Kumamoto Y, Molnár M, Palcsud L, Povinec P	Journal of Environmental Radioactivity, 184-185, 83-94	1	April, 2018	10.1016/j.jenvrad.2018.01.015
IER-2018-003	Consequences of the river valley bottom transformation after extreme flood (on the example of the Niida River, Japan)	アレクセイ・コノプリョフ	Botavin D, Golosov V, <u>Konoplev A</u> , <u>Wakiyama Y</u>	Earth and Environmental Science, 107	1	January, 2018	10.1088/1755-1315/107/1/012002
IER-2018-002	Marine radioecology after the Fukushima Dai-ichi nuclear accident: Are we better positioned to understand the impact of radionuclides in marine ecosystems?	青山道夫	Battle J, <u>Aoyama M</u> , Bradshaw C, Brown J, Buesseler K, Casacuberta N, Christl M, Duffa C, Impens N, Iosjpe M, Masqué P, Nishikawa J	Science of the Total Environment, 618, 80-92	1	March, 2018	10.1016/j.scitotenv.2017.11.005
IER-2018-001	Assessment of the calibration of gamma spectrometry systems in forest environments	アラン・クレスウェル	<u>Cresswell A</u> , Sanderson D, Yamaguchi K	Journal of Environmental Radioactivity, 181, 70-77	1	January, 2018	10.1016/j.jenvrad.2017.10.019