

Title	Year	Author	Journal	Research Area	Comments
Acute exposure to physiological doses of triiodothyronine does not induce gonadal caspase 3 activity in goldfish in vitro.	2020	Allan ERO Dores CB Nelson ER Habibi HR	Gen Comp Endocrinol	Public Health	
Advancing Canadian Wastewater Assets (ACWA) Bridges Laboratory- Scale testing of Wastewater Technologies and Effects on Receiving Environments	2020	Jackson, L	Canadian Journal of Civil Engineering	Receiving Environment & Watershed Health	
Augmentation of Biogranules for Enhanced Performance of Full-Scale Lagoon-Based Municipal Wastewater Treatment Plants	2020	Pishgar, Roya Leland, Jonathan Dominic, John Albino Hosseini, Sadegh Hwa Tay, Joo Chu, Angus	Applied Biochemistry and Biotechnology	Wastewater Technology & Demonstration	
Comments on Disruption of the gonadal endocannabinoid system in zebrafish exposed to diisononyl phthalate	2020	Fomer-Piquer I Santangeli S Maradonna F Rabbito A Piscitelli F Habibi HR di Marzo V Carnevali O	Environ Pollut.	Public Health	
Cortisol Directly Stimulates Spermatogonial Differentiation, Meiosis, and Spermiogenesis in Zebrafish (Danio rerio) Testicular Explants	2020	Tovo-Neto A Martinez ERM Melo AG Doretto LB Butzge AJ Rodrigues MS Nakajima RT Habibi HR Nóbrega RH	Biomolecules	Public Health	
Degradation of pharmaceutical mixtures in aqueous solutions using UV/peracetic acid process: Kinetics, degradation pathways and comparison with UV/H2O2	2020	Hollman, Jordan Dominic, John Albino Achari, Gopal	Chemosphere	Wastewater Technology & Demonstration	
Degradation of sulfolane in aqueous media by integrating activated sludge and advanced oxidation process	2020	Faizan Khan, Muhammad Yu, Linlong Tay, Joo-Hwa Achari, Gopal	Chemosphere	Wastewater Technology & Demonstration	
Effects of BPA on zebrafish gonads: Focus on the endocannabinoid system.	2020	Fomer-Piquer I Beato S Piscitelli F Santangeli S Di Marzo V Habibi HR Maradonna F Carnevali O.	Environ Pollut.	Public Health	

Effects of BPA on zebrafish gonads: Focus on the endocannabinoid system.	2020	Fomer-Piquer I Beato S Piscitelli F Santangeli S Di Marzo V Habibi HR Maradonna F Camevali O.	Environ Pollut. 2020	Public Health	
Integration of aerobic granulation and UV/H2O2 processes in a continuous flow system for the degradation of sulfolane in contaminated water	2020	Muhammad Faizan, Khan Yu, Linlong Hollman, Jordan Tay, Joo-Hwa Achari, Gopal	Environmental Science: Water Research & Technology 6	Wastewater Technology & Demonstration	
Pilot-scale investigation on nutrient removal characteristics of mineral-rich aerobic granular sludge: Identification of uncommon mechanisms	2020	Pishgar, Roya Dominic, John Albino Tay, Joo Hwa Chu, Angus	Water Research	Wastewater Technology & Demonstration	
Pilot-Scale Treatment of Neutral Pharmaceuticals in Municipal Wastewater Using Reverse Osmosis and Ozonation	2020	Hollman, Jordan Faizan Khan, Muhammad Dominic, John Albino Achari, Gopal	Journal of Environmental Engineering	Wastewater Technology & Demonstration	
Role of GnRH and GnIH in paracrine/autocrine control of final oocyte maturation.	2020	Fallah HP, Habibi HR.	Gen Comp Endocrinol.	Public Health	
Role of GnRH Isoforms in Paracrine/Autocrine Control of Zebrafish (Danio rerio) Spermatogenesis	2020	Fallah HP Rodrigues MS Corchuelo S Nóbrega RH Habibi HR	Endocrinology	Public Health	
Seasonal Related Multifactorial Control of Pituitary Gonadotropin and Growth Hormone in Female Goldfish: Influences of Neuropeptides and Thyroid Hormone	2020	Y, Ma Ladisa C Chang JP Habibi, HR	Front Endocrinol (Lausanne)	Public Health	
Turning Waste (water) into Gold	2020	Jackson, L	Water Canada	Receiving Environment & Watershed Health	
We brewed beer from recycled wastewater - and it tasted great	2020	Jackson, L	The Conversation	Receiving Environment & Watershed Health	
Zygotic venlafaxine exposure impacts behavioral programming by disrupting brain serotonin in zebrafish	2020	Thompson, WA Vijayan, MM	Environ. Sci. Technol. 54: 14578-14588	Receiving Environment & Watershed Health	
Environmental levels of venlafaxine impact larval behavioural performance in fathead minnows	2020	Thompson, WA Vijayan, MM	Chemosphere, 259: 127437	Receiving Environment & Watershed Health	

Municipal wastewater effluent disrupts early development, larval behavior, and stress response in zebrafish. E	2020	Gauthier, P.T Vijayan, MM	Environ. Pollut. 259: 113757	Receiving Environment & Watershed Health	
Aerobic granular sludge and naphthenic acids treatment by varying initial concentrations and supplemental carbon concentrations	2019	Tiwari, S Iorhemen, O Tay, J	Journal of Hazardous Materials	Wastewater Technology & Demonstration	
Coaggregation of bacterial communities in aerobic granulation and its application on the biodegradation of sulfolane	2019	Faizan Khan, Muhammad Yu, Linlong Tay, Joo-Hwa Achari, Gopal	Journal of Hazardous Materials 377	Wastewater Technology & Demonstration	
Comparative Study of Four TiO2-Based Photocatalysts to Degrade 2,4-D in a Semi-Passive System	2019	Heydari, Gisoo Hollman, Jordan Achari, Gopal Langford, Cooper H.	Water 2019	Wastewater Technology & Demonstration	
Denitrification performance and microbial versatility in response to different selection pressures	2019	Roya Pishgar, Dominic, John Albino Sheng, Zhiya Tay, Joo Hwa	Bioresource Technology	Wastewater Technology & Demonstration	
Denitrification performance and microbial versatility in response to different selection pressures	2019	Pishgar, R, Dominic, J Sheng, Z Tay, J	Bioresource Technology	Wastewater Technology & Demonstration	
Detection of equimolar EDTA and DTPA in spiked wastewater effluents	2019	Sander, Travis K Gautam, Astha Sarpong-Kumankomah, Sophia Gailer, Jürgen	International Journal of Environmental Analytical Chemistry	Receiving Environment & Watershed Health	
Developing a complete watershed IOC platform through integrated stakeholder collaboration.	2019	Jackson, LJ Erdem, A Sawchyn, M Mottier, V Saunders, J Collins, J Breedvelt, I Lacey, E A, Mah	Proceedings of CASCON x Evoke 2019	Receiving Environment & Watershed Health	
Effect of light intensity on the characteristics of algal-bacterial granular sludge and the role of N-acyl-homoserine lactone in the granulation	2019	Zhang, B Guo, Y Lens, P Zhang, Z Shi, W Cui, F Tay, J	Science of The Total Environment	Wastewater Technology & Demonstration	

Evidence for the evolution, clonal expansion and global dissemination of water treatment-resistant naturalized strains of Escherichia coli in wastewater.	2019	Zhi, S Banting, G Stothard, P Ashbolt, NJ Checkley, S Meyer, K Otto, S Neumann, NF	Water Res	Public Health	
Health Impact Assessment of Sulfolane on Embryonic Development of Zebrafish	2019	Shah, SM Wahba, M Yu, L Achari G Habibi HR	Toxics.	Public Health	
Impact of hydraulic retention time and organic matter concentration on side-stream aerobic granular membrane bioreactor	2019	Tavana, Arezoo Pishgar, Roya Tay, Joo Hwa	Science of The Total Environment	Wastewater Technology & Demonstration	
Influence of operation mode and wastewater strength on aerobic granulation at pilot scale: Startup period, granular sludge characteristics, and effluent quality	2019	Pishgar, Roya Dominic, John Albino Sheng, Zhiya Tay, Joo Hwa	Water Research	Wastewater Technology & Demonstration	
Loss of glucocorticoid receptor in zebrafish improves muscle glucose availability and increases growth	2019	Faught, E Vijayan, MM	AJP Endocrinology and Metabolism	Public Health	
Multifactorial control of reproductive and growth axis in male goldfish: Influences of GnRH, GnIH and thyroid hormone.	2019	Y, Ma Ladisa, C JP, Chang Habibi HR	Molecular and Cellular Endocrinology	Public Health	
Optimization of organics to nutrients (COD:N:P) ratio for aerobic granular sludge treating high-strength organic wastewater	2019	Hamza, R Zaghloul, M Iorhemen, O Sheng, Z Tay, J	Science of The Total Environment	Wastewater Technology & Demonstration	
Paracrine/autocrine control of spermatogenesis by gonadotropin-inhibitory hormone.	2019	Fallah, HP Tovo-Neto, A Yeung, EC Nóbrega, RH Habibi, HR	Mol Cell Endocrinol.	Public Health	
Piggery wastewater treatment by aerobic granular sludge: granulation process and antibiotics and antibiotic-resistant bacteria removal and transport	2019	Wang, S Ma, X Wang, Y Du, G Tay, J Li, J	Bioresource Technology	Wastewater Technology & Demonstration	
Postnatal triglyceride accumulation is regulated by the mineralocorticoid receptor under basal and stress conditions.	2019	Faught, E Vijayan, MM	J. Physiol	Public Health	

Prediction of long-term variation in offspring metabolism due to BPA in eggs in rainbow trout using the DEB model	2019	Sadoul, B Augustine, S Zimmer, E Begout, M Vijayan, MM	Journal of Sea Research	Public Health	
Reactivation and pilot-scale application of long-term storage denitrification biofilm based on flow cytometry	2019	Wang, S Qian, K Zhu, Y Yi, X Zhang, G Du, G Tay, J Li, J	Water Research	Wastewater Technology & Demonstration	
Removing emerging contaminants: New treatment technologies (Developing and testing new treatment technologies to remove emerging contaminants in municipal wastewater to protect human health and aquatic ecosystems).	2019	Jackson, LJ Jackson, PV	Lakeline	Wastewater Technology & Demonstration	
Synergetic photocatalytic ozonation using modified graphitic carbon nitride for treatment of emerging contaminants under UVC, UVA and visible irradiation	2019	Jourshabani, Milad Dominic, John Albino Achari, Gopal Shariatinia, Zahra	Chemical Engineering Science,	Wastewater Technology & Demonstration	
Transgenerational effects of BPA on female reproduction	2019	Santangeli, S Consales, S Pacchierotti, F Habibi, HR Carneval, O	Science of Total Environment	Public Health	
Transgenerational effects of BPA on female reproduction. 2019	2019	Santangeli, S Consales, C Pacchierotti, F Habibi, HR Carnevali, O	Sci Total Environ.	Public Health	
Treatment of 17 $\alpha$ -ethinylestradiol, 4-nonylphenol, and carbamazepine in wastewater using an aerobic granular sludge sequencing batch reactor	2019	Kent, J Tay, J	Science of The Total Environment	Wastewater Technology & Demonstration	
A rapid zebrafish embryo behavioural biosensor that is capable of detecting environmental b-blockers	2019	Gauthier, P.T Vijayan, MM	Environ. Pollut. 250: 493-502	Receiving Environment & Watershed Health	
Prediction of long-term variation in offspring metabolism due to BPA in eggs in rainbow trout using the DEB model	2019	Sadoul, B Augustine, S Zimmer, E Begout, ML Vijayan, MM	J. Sea Res. 143: 222-230	Receiving Environment & Watershed Health	
The stress response to environmental Changes	2019	Faught, E Hernandez-Perez, J Wilson, J Vijayan MM	In: Climate Change and Non-infectious Fish Disorders. Edited by Woo, PTK and Iwama, G. CABI, Wallingford, UK. Pp 136-162	Receiving Environment & Watershed Health	Book Chapter

Acute stress response of fathead minnows caged downstream of municipal wastewater treatment plants in the Bow River, Calgary	2018	Lazaro-Cote A, Sadoul B, Jackson LJ, Vijayan MM	PLOS ONE	Receiving Environment & Watershed Health	
Aerobic granulation for future wastewater treatment technology: Challenges ahead	2018	Sarma, S Tay, J	Environmental Science: Water Research and Technology	Wastewater Technology & Demonstration	
Aerobic granulation: A recent development on the biological treatment of pulp and paper wastewater	2018	Vashi, H Iorhemen, O Tay, J	Environmental Technology & Innovation	Wastewater Technology & Demonstration	
Application of dynamic modeling techniques to the problem of antibacterial use and resistance: a scoping review	2018	Ramsay, DE Invik, J Checkley, SL Gow, SP Osgood, ND Waldner, CL	Epidemiology and Infection	Public Health	
ATPase binding and consequent disassembly of the type VI secretion system in <i>Vibrio cholerae</i> : a dynamic model	2018	Smith-Roberge, J Stietz, M Dong, T Ingalls, B	IFAC-PapersOnLine	Public Health	
Biofiltration of methane using hybrid mixtures of biochar, lava rock and compost	2018	La, H Hettiaratchi, J Achari, G Verbeke, T Dunfield, P	Environmental Pollution	Wastewater Technology & Demonstration	
Bisphenol A in eggs impairs the long-term stress performance of rainbow trout in two generations.	2018	Thomas, J Birceanu, O Sadoul, B Vijayan, MM	Environ. Sci. Technol	Public Health	
Carbon, nitrogen, and phosphorous removal mechanisms of aerobic granules	2018	Sarma, S Tay, J	Critical Reviews in Biotechnology	Wastewater Technology & Demonstration	
Cortisol elevation post-hatch affects behavioural performance in zebrafish larvae	2018	Best, C Vijayan, MM	General and Comparative Endocrinology	Public Health	
Degradation of carbamazepine by photo-assisted ozonation: Influence of wavelength and intensity of radiation	2018	Somathilake, P Dominic, J Achari, G Langford, C Tay, J	Ozone: Science and Engineering	Wastewater Technology & Demonstration	
Degradation of industrial tannin and lignin from pulp mill effluent by aerobic granular sludge technology	2018	Vashi, H Iorhemen, O Tay, J	Journal of Water Process Engineering	Wastewater Technology & Demonstration	
Differential Hepatic Gene Expression Profile of Male Fathead Minnows Exposed to Daily Varying Dose of Environmental Contaminants Individually and In Mixture	2018	Zare, A Henry, D Chau, G Paul, G Habibi, HR	Frontiers in Endocrinology	Public Health	

Differential hepatic gene expression profile of male fathead minnows exposed to daily varying dose of environmental contaminants individually and in mixture.	2018	Ava, Zare Darren, Henry Gordon, Chua Paul, Gordon Habibi, HR	Frontiers in Endocrinology	Public Health	
Disruption of the gonadal endocannabinoid system in zebrafish exposed to diisononyl phthalate	2018	Fomer-Piquer, I Santangeli, S Maradonna, F Rabbito, A Piscitelli, F Habibi, HR Di, Marzo, V Camevali, O	Environmental Pollution	Public Health	
Effect of aeration pattern and gas distribution during scale-up of bubble column reactor for aerobic granulation	2018	Pishgar, R Kanda, A Gress, G Gong, H Dominic, J Tay, J	Journal of Environmental Chemical Engineering	Wastewater Technology & Demonstration	
Effects of diethylene glycol dibenzoate and bisphenol A on the lipid metabolism of Danio rerio	2018	Santangeli, S Notarstefano, V Maradonna, F Giorgini, E Gioacchini, G Fomer-Piquer, I Habibi, HR Camevali, O	Science of The Total Environment	Public Health	
Effects of GnRH and the dual regulatory actions of GnIH in the pituitary explants and brain slices of <i>Astyanax altiparanae</i> males.	2018	Branco, GS Melo, AG Ricci, MB Digmayr, M de Jesus, LWO Habibi HR, Nobrega RH	Gen Comp Endocrinol.	Public Health	
Impact of food-to-microorganisms ratio on the stability of aerobic granular sludge treating high-strength organic wastewater	2018	Hamza, R Sheng, Z Iorhemen, O Zaghloul, M Tay, J	Water Research	Wastewater Technology & Demonstration	
Maternal stress and fish reproduction: The role of cortisol revisited	2018	Faught, E Vijayan, MM	Fish and Fisheries	Public Health	
Mineralization of sulfolane in aqueous solutions by Ozone/CaO2 and Ozone/CaO with potential for field application	2018	Izadifard, M Achari, G Langford, C	Chemosphere	Wastewater Technology & Demonstration	

Mycotoxin zearalenone induced gonadal impairment and altered gene expression in the hypothalamic-pituitary- gonadal axis of adult female zebrafish (Danio rerio).	2018	Muthalakshmi, S Hamideh, PF Habibi, HR Maharajan, K Kadirvelu, K Mudili, V	Journal of Applied Toxicology.	Public Health	
Nonlinear mixed-modelling discriminates the effect of chemicals and their mixtures on zebrafish behaviour.	2018	Gauthier, P. Vijayan, MM	Sci. Rep.	Public Health	
Performance prediction of an aerobic granular SBR using modular multilayer artificial neural networks	2018	Zaghloul, M Hamza, R Iorhemen, O Tay, J	Science of The Total Environment	Wastewater Technology & Demonstration	
Rapid formation and characterization of aerobic granules in pilot-scale sequential batch reactor for high-strength organic wastewater treatment	2018	Hamza, R Iorhemen, O Zaghloul, M Tay, J	Journal of Water Process Engineering	Wastewater Technology & Demonstration	
Recent advances on biosorption by aerobic granular sludge	2018	Wang, L Liu, X Leland, D Tay, J Zhang, Y Wan, C Chen, X	Journal of Hazardous Materials	Wastewater Technology & Demonstration	
Recovery of dehydrated aerobic granules: A comparison	2018	Lv, Y Wan, C Leland, D Liu, X Zhang, Y Tay, J	Bioresource Technology	Wastewater Technology & Demonstration	
Risk assessments evaluating foodborne antimicrobial resistance in humans: a scoping review.	2018	Caffrey, N Invik, J Waldner, CL Ramsay, D Checkley, SL	Microbial Risk Analysis	Public Health	
Role of bisphenol A on the endocannabinoid system at central and peripheral levels: Effects on adult female zebrafish	2018	Fomer-Piquer, I Santangeli, S Maradonna, F Verde, R Piscitelli, F di, Marzo, V Habibi, HR Carnevali, O	Chemosphere	Public Health	
Simultaneous organics and nutrients removal in side-stream aerobic granular sludge membrane bioreactor (AGMBR)	2018	Iorhemen, O Hamza, R Zaghloul, M Tay, J	Journal of Water Process Engineering	Wastewater Technology & Demonstration	

Sunlight mediated passive wastewater treatment technology using photochemical reduction of ferric iron for decontamination of various aqueous contaminants	2018	Dominic, J Somathilake, P Achari, G Langford, C Tay, J	Solar Energy	Wastewater Technology & Demonstration	
The global challenge of antimicrobial resistance. Policy Options.	2018	Cork, S Checkley, S Caffrey, N Liljebjelke, K	<a href="http://policyoptions.irpp.org/magazines/may-2017">http://policyoptions.irpp.org/magazines/may-2017</a>	Public Health	
Thyroid hormone actions on male reproductive system of teleost fish.	2018	Tovo-Neto A da Silva Rodrigues M Habibi HR Nobrega RH	Gen Comp Endocrinol.	Public Health	
Tide-related changes in mRNA abundance of aromatases and estrogen receptors in the ovary and brain of the threespot wrasse <i>Halichoeres trimaculatus</i>	2018	Oh, D Hur, S Boucekious, S Takeuchi, Y Udagawa, S Aluru, N Park, Y Park, J Kim, S Moon, T Vijayan, MM Takemura, A	Ocean Science Journal	Public Health	
Use of low pressure mercury lamps with H <sub>2</sub> O <sub>2</sub> and TiO <sub>2</sub> for treating carbamazepine in drinking water: Batch and continuous flow through experiments	2018	Somathilake, P Dominic, J Achari, G Langford, C Tay, J	Journal of Water Process Engineering	Wastewater Technology & Demonstration	
WaterVis: GeoVisual analytics for exploring hydrological data. pp 157-166, In: Moshirpour M., Far B & R Alhajj (eds) Highlighting the Importance of Big Data Management and Analysis for Various Applications. , Switzerland	2018	Marbouti, M Bhaskar, R Abad, ZSH Anslow, C Jackson, LJ Maurer, F	Studies in Big Data, Volume 27, Springer Nature	Receiving Environment & Watershed Health	
Zearalenone induced embryo and neurotoxicity in zebrafish model ( <i>Danio rerio</i> ): Role of oxidative stress revealed by a multi biomarker study	2018	Muthulakshmi, S Maharajan, K, Habibi, HR Kadirvelu, K Venkataramana, M	Chemosphere	Public Health	
Bisphenol A in eggs impairs the long-term stress performance of rainbow trout in two generations	2018	Thomas, J Birceanu, O Sadoul, B Vijayan, MM	Environ. Sci. Technol. 52: 7951-7961	Receiving Environment & Watershed Health	

Acute stress response on fathead minnows caged downstream of municipal wastewater treatment plants in the Bow River, Calgary	2018	Lazaro-Cote, A Sadoul, B Jackson, LJ Vijayan, MM	PLOS ONE 13(6): e0198177	Receiving Environment & Watershed Health	
Nonlinear mixed-modelling discriminates the effect of chemicals and their mixtures on zebrafish behaviour	2018	Gauthier, P Vijayan, M.M	Sci. Rep. 8: 1999	Receiving Environment & Watershed Health	
Lifelong exposure to PCBs in the remote Norwegian Arctic disrupts the plasma stress metabolome in Arctic charr.	2018	Gauthier, PT Evenset, A Christensen, GN Jorgensen, EH Vijayan, MM	Environ. Sci. Technol. 52: 868-876	Receiving Environment & Watershed Health	
Bisphenol A in eggs causes development-specific liver molecular reprogramming in two generations of rainbow trout	2017	Sadoul, B Birceanu, O Aluru, N Thomas, J.K Vijayan, MM	Sci. Rep.	Public Health	
Effects of diisononyl phthalate on Danio rerio reproduction	2017	Santangeli, S Maradonna, F Zanardini, M Notarstefano, V Gioacchini, G Fomer-Piquer, I Habibi, HR Camevali, O	Environmental Pollution	Public Health	
Emerging environmental contaminants: Challenges facing our next generation and potential engineering solutions	2017	Richardson, S Kimura, S	Environmental Technology and Innovation	Wastewater Technology & Demonstration	
Finding knowledge gaps in aerobic granulation technology	2017	Sarma, S Tay, J Chu, A	Trends in Biotechnology	Wastewater Technology & Demonstration	
Flood frequency analysis using multi-objective optimization based interval estimation approach	2017	Kasiswanathan, K He, J Tay, J	Journal of Hydrology	Receiving Environment & Watershed Health	
Maternal cortisol stimulates neurogenesis and affects larval behaviour in zebrafish.	2017	Best, C Kurrasch, D.M Vijayan, MM	Sci. Rep.	Public Health	
Membrane fouling control in membrane bioreactors (MBRs) using granular materials	2017	Iorhemen, O Hamza, R Tay, J	Bioresource Technology	Wastewater Technology & Demonstration	
Molecular tools provide a range of powerful options for the conservationist's toolbox.	2017	Jackson LJ	Aquatic Conservation: Marine and Freshwater Ecosystems	Receiving Environment & Watershed Health	
Molecular tools provide a range of powerful options for the conservationist's toolbox	2017	Jackson, L	Aquatic Conservation: Marine and Freshwater Ecosystems	Receiving Environment & Watershed Health	

Performance management of small water treatment plant operations: a decision support system	2017	Stein, D Achari, G Langford, C, Dore, M Haider, H Zhang, K Sadiq, R	Water and Environment Journal	Wastewater Technology & Demonstration	
Startup of aerobic granulation technology: Troubleshooting scale-up issue	2017	Pishgar, R Kanda, A Gress, G Gong, H Tay, J	Springer Cham	Wastewater Technology & Demonstration	
The evolution of the major histocompatibility complex in upstream versus downstream river populations in longnose dace	2017	Crispo, E Tunna, H Hussain, N Rodríguez, S Pavey, S Jackson, L Rogers, S,	Ecology and Evolution	Public Health	
The evolution of the major histocompatibility complex in upstream versus downstream river populations of the longnose dace.	2017	Crispo, E Tunna, H Hussain, N Rodríguez, S Pavey S Jackson L  Rogers, S	Ecology and Evolution	Receiving Environment & Watershed Health	
The type VI secretion system engages a redox-regulated dual-functional heme transporter for zinc acquisition	2017	Si, M Wang, Y Zhang, B Zhao, C Kang, Y Bai, H Wei, D Zhu, L Zhang, L Dong, T Shen, X	Cell Reports	Public Health	
Utilization of aerobic granulation to mitigate membrane fouling in MBRs	2017	Iorhemen, O Hamza, R Tay, J	Membrane Water Treatment	Wastewater Technology & Demonstration	
Venlafaxine in Embryos Stimulates Neurogenesis and Disrupts Larval Behavior in Zebrafish.	2017	Thompson, WA Arnold, VI Vijayan, MM	Environ Sci Technol.	Public Health	
Venlafaxine in embryos stimulates neurogenesis and disrupts larval behaviour in zebrafish.	2017	Thompson, WA Arnold, VI Vijayan, MM	Environ. Sci. Technol.	Public Health	

Vibrio cholerae type 6 secretion system effector trafficking in target bacterial cells	2017	Ho, B Dong, T Mekalanos, J	Proceedings of the National Academy of Sciences	Public Health	
Advanced oxidative degradation of bisphenol A and bisphenol S	2016	Mehrabani-Zeinabad, M Achari, G Langford, C	Journal of Environmental Engineering and Science	Wastewater Technology & Demonstration	
Advances in biological systems for the treatment of high-strength wastewater	2016	Hamza, R Iorhemen, O Tay, J	Journal of Water Process Engineering	Wastewater Technology & Demonstration	
Adverse morphological development in embryonic zebrafish exposed to environmental concentrations of contaminants individually and in mixture	2016	Kinch, C Kurrasch, D Habibi, HR	Aquatic Toxicology	Public Health	
Alternated phenol and trichloroethylene biodegradation in an aerobic granular sludge reactor	2016	Zhang, Y Tay, J	Biochemical Engineering Journal	Wastewater Technology & Demonstration	
Alternative view of chlorine oxidation stimulated by longer wavelength light	2016	Izadifard, M Langford, C Achari, G	Journal of Environmental Engineering	Wastewater Technology & Demonstration	
Application of UV based advanced oxidation to treat sulfolane in an aqueous medium	2016	Yu, L, Mehrabani-Zeinabad, M Achari, G Langford, C	Chemosphere	Wastewater Technology & Demonstration	
Asynchronous onset of eutrophication among shallow prairie lakes of the Northern Great Plains, Alberta, Canada	2016	Maheaux, H Leavitt, P Jackson, L	Global Change Biology	Receiving Environment & Watershed Health	
Degradation of bisphenol S using O3 and/or H2O2 with UV in a flow-through reactor	2016	Mehrabani-Zeinabad, M Achari, G Langford, C	Journal of Environmental Engineering	Wastewater Technology & Demonstration	
Effects of gonadotropin inhibitory hormone or gonadotropin-releasing hormone on reproduction-related genes in the protandrous cinnamon clownfish, Amphiprion melanopus	2016	Choi, Y Kim, N Habibi, HR Choi, C	General and Comparative Endocrinology	Public Health	
Effects of gonadotropin inhibitory hormone or gonadotropin-releasing hormone on reproduction-related genes in the protandrous cinnamon clownfish, Amphiprion melanopus.	2016	Choi, YJ Kim, NN Habibi, HR Choi, CY	General and Comparative Endocrinology.	Public Health	
Efficacy of UV-C photolysis of bisphenol A on transcriptome alterations of genes in zebrafish embryos	2016	Saeed, A Hashmi, I Zare, A Mehrabani-Zeinabad, M Achari, G Habibi, HR	Journal of Environmental Science and Health - Part A	Wastewater Technology & Demonstration	

Environmental constraints on <i>Didymosphenia geminata</i> occurrence and bloom formation in Canadian Rocky Mountain lotic systems	2016	Jackson, L Corbett, L Scrimgeour, G	Canadian Journal of Fisheries and Aquatic Sciences	Public Health	
Evaluation of various <i>Campylobacter</i> -specific qPCR assays for detection and enumeration of <i>Campylobacteraceae</i> in irrigation water and wastewater using a miniaturized MPN-qPCR assay.	2016	Banting, GS Braithwaite, S Scott, C Kim, J Jeon, B Ashbolt, N Ruecker, N Tymensen, L Charest, J Pintar, K Checkley, S Neumann, NF	Appl. Environ. Microbiol.	Public Health	
Maternal cortisol mediates hypothalamus-pituitary-interrenal axis development in Zebrafish	2016	Nesan, D Vijayan, MM	Scientific Reports	Public Health	
Maternal stress-associated cortisol stimulation may protect embryos from cortisol excess in zebrafish	2016	Faught, E Best, C Vijayan, MM	Royal Society Open Science	Public Health	
Mineralisation of sulfolane by UV/O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> in a tubular reactor	2016	Mehrabani-Zeinabad, M Yu, L Achari, G Langford, C	Journal of Environmental Engineering and Science	Wastewater Technology & Demonstration	
Occurrence, impacts and removal of emerging substances of concern from wastewater	2016	Hamza, R, Iorhemen, O Tay, J	Environmental Technology & Innovation	Wastewater Technology & Demonstration	
Physiological and functional diversity of phenol degraders isolated from phenol-grown aerobic granules: Phenol degradation kinetics and trichloroethylene co-metabolic activities	2016	Zhang, Y Tay, J	Journal of Environmental Management	Wastewater Technology & Demonstration	
Potential application of wavelet neural network ensemble to forecast streamflow for flood management	2016	Kasiviswanathan, K He, J Sudheer, K Tay, J	Journal of Hydrology	Receiving Environment & Watershed Health	
Profiles of gonadotropin-inhibitory hormone and melatonin during sex change and maturation of cinnamon clownfish, <i>Amphiprion melanopus</i>	2016	Choi, Y Habibi, HR Choi, C	Biochemical and Biophysical Research Communications	Public Health	
Thyroid hormone regulates vitellogenin by inducing estrogen receptor alpha in the goldfish liver	2016	Nelson, E Habibi, HR	Molecular and Cellular Endocrinology	Public Health	
Transcripts of genes encoding reproductive neuroendocrine hormones and androgen receptor in the brain and testis of goldfish exposed to vinclozolin, flutamide, testosterone, and their combinations	2016	Golshan, M Habibi, HR Alavi, SM	Fish physiology and biochemistry	Public Health	

Stress and Growth	2016	Sadoul B Vijayan, MM	Fish Physiology Vol 35: Biology of Stress in Fish. Edited by C.B. Schreck, L. Tort, Farrell, A. and Brauner, C.J. Elsevier, New York. Pp 167-205	Receiving Environment & Watershed Health	Book Chapter
The Molecular Stress Response	2016	Faught, E Aluru, N Vijayan, MM	Fish Physiology Vol 35: Biology of Stress in Fish. Edited by C.B. Schreck, L. Tort, Farrell, A. and Brauner, C.J. Elsevier, New York. Pp 113-166	Receiving Environment & Watershed Health	Book Chapter
A comprehensive comparison of bacterial and fungal aerobic granules: formation, properties, surface modification, and biosorption of metals	2015	Wang, L Wang, Y Liu, X Chen, X Leland, D Tay, J Zhang, Y Wan, C	RSC Advances	Wastewater Technology & Demonstration	
Advanced oxidative degradation of bisphenol A and bisphenol S	2015	Mehrabani-Zeinabad, M Achari, G Langford, C	Journal of Environmental Engineering and Science	Wastewater Technology & Demonstration	
Biosorption of Sr(II) from aqueous solutions using aerobic granules: equilibrium and mechanisms	2015	Wang, L Liu, X Chen, X Leland, D Tay, J Zhang, Y Wan, C	Journal of Radioanalytical and Nuclear Chemistry	Wastewater Technology & Demonstration	
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Detoxification efforts in longnose dace ( <i>Rhinichthys cataractae</i> ) exposed to municipal and agricultural inputs	2015	Tunna, H Smits, J Rogers, S Jackson, L	Journal of Environmental Protection	Receiving Environment & Watershed Health	
Effects of hydraulic retention time on aerobic granulation and granule growth kinetics at steady state with a fast start-up strategy	2015	Liu, Y Zhang, X Zhang, R Liu, W Tay, J	Applied Microbiology and Biotechnology	Wastewater Technology & Demonstration	
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