

Jason P Van De Merwe

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

1,306

citations

19

h-index

34

g-index

63

ext. papers

1,619

ext. citations

6

avg, IF

4.67

L-index

#	Paper	IF	Citations
62	Are we working towards global research priorities for management and conservation of sea turtles?. <i>Endangered Species Research</i> , 2016 , 31, 337-382	2.5	150
61	Using blood samples to estimate persistent organic pollutants and metals in green sea turtles (<i>Chelonia mydas</i>). <i>Marine Pollution Bulletin</i> , 2010 , 60, 579-88	6.7	78
60	Impacts of redox-mediator type on trace organic contaminants degradation by laccase: Degradation efficiency, laccase stability and effluent toxicity. <i>International Biodeterioration and Biodegradation</i> , 2016 , 113, 169-176	4.8	69
59	Photolysis and UV/H ₂ O ₂ of diclofenac, sulfamethoxazole, carbamazepine, and trimethoprim: Identification of their major degradation products by ESI/MS and assessment of the toxicity of reaction mixtures. <i>Chemical Engineering Research and Design</i> , 2017 , 112, 222-234	5.5	66
58	Biocatalytic degradation of pharmaceuticals, personal care products, industrial chemicals, steroid hormones and pesticides in a membrane distillation-enzymatic bioreactor. <i>Bioresource Technology</i> , 2018 , 247, 528-536	11	59
57	Laccase-syringaldehyde-mediated degradation of trace organic contaminants in an enzymatic membrane reactor: Removal efficiency and effluent toxicity. <i>Bioresource Technology</i> , 2016 , 200, 477-84	11	59
56	Sources, presence and potential effects of contaminants of emerging concern in the marine environments of the Great Barrier Reef and Torres Strait, Australia. <i>Science of the Total Environment</i> , 2020 , 719, 135140	10.2	51
55	Degradation of a broad spectrum of trace organic contaminants by an enzymatic membrane reactor: Complementary role of membrane retention and enzymatic degradation. <i>International Biodeterioration and Biodegradation</i> , 2015 , 99, 115-122	4.8	50
54	Persistent organic pollutants in the green sea turtle <i>Chelonia mydas</i> : nesting population variation, maternal transfer, and effects on development. <i>Marine Ecology - Progress Series</i> , 2010 , 403, 269-278	2.6	50
53	Chemical contamination of green turtle (<i>Chelonia mydas</i>) eggs in peninsular Malaysia: implications for conservation and public health. <i>Environmental Health Perspectives</i> , 2009 , 117, 1397-401	8.4	45
52	The current state and future directions of marine turtle toxicology research. <i>Environment International</i> , 2016 , 94, 113-123	12.9	44
51	Gender-specific modulation of immune system complement gene expression in marine medaka <i>Oryzias melastigma</i> following dietary exposure of BDE-47. <i>Environmental Science and Pollution Research</i> , 2011 , 19, 2477-87	5.1	39
50	Bioaccumulation and maternal transfer of PBDE 47 in the marine medaka (<i>Oryzias melastigma</i>) following dietary exposure. <i>Aquatic Toxicology</i> , 2011 , 103, 199-204	5.1	38
49	Degradation of diclofenac, trimethoprim, carbamazepine, and sulfamethoxazole by laccase from <i>Trametes versicolor</i> : Transformation products and toxicity of treated effluent. <i>Biocatalysis and Biotransformation</i> , 2019 , 37, 399-408	2.5	34
48	Effects of Nest Depth, Shading, and Metabolic Heating on Nest Temperatures in Sea Turtle Hatcheries. <i>Chelonian Conservation and Biology</i> , 2006 , 5, 210-215	0.9	30
47	Transformation of endocrine disrupting chemicals, pharmaceutical and personal care products during drinking water disinfection. <i>Science of the Total Environment</i> , 2019 , 657, 1480-1490	10.2	27
46	A sensitive and high throughput bacterial luminescence assay for assessing aquatic toxicity--the BLT-Screen. <i>Environmental Sciences: Processes and Impacts</i> , 2015 , 17, 947-55	4.3	23

45	Effects of hatchery shading and nest depth on the development and quality of <i>Chelonia mydas</i> hatchlings: implications for hatchery management in Peninsular, Malaysia. <i>Australian Journal of Zoology</i> , 2005 , 53, 205	0.5	23
44	Analysing persistent organic pollutants in eggs, blood and tissue of the green sea turtle (<i>Chelonia mydas</i>) using gas chromatography with tandem mass spectrometry (GC-MS/MS). <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 393, 1719-31	4.4	21
43	Concentrations of levonorgestrel and ethinylestradiol in wastewater effluents: Is the progestin also cause for concern?. <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 1378-85	3.8	19
42	Persulfate oxidation-assisted membrane distillation process for micropollutant degradation and membrane fouling control. <i>Separation and Purification Technology</i> , 2019 , 222, 321-331	8.3	17
41	In vitro bioassays reveal that additives are significant contributors to the toxicity of commercial household pesticides. <i>Aquatic Toxicology</i> , 2018 , 199, 263-268	5.1	17
40	iTRAQ-based proteomic profiling of the marine medaka (<i>Oryzias melastigma</i>) gonad exposed to BDE-47. <i>Marine Pollution Bulletin</i> , 2014 , 85, 471-8	6.7	17
39	Impact of hazardous events on the removal of nutrients and trace organic contaminants by an anoxic-aerobic membrane bioreactor receiving real wastewater. <i>Bioresource Technology</i> , 2015 , 192, 192-201	11	16
38	Analysis of sugarcane herbicides in marine turtle nesting areas and assessment of risk using in vitro toxicity assays. <i>Chemosphere</i> , 2017 , 185, 656-664	8.4	16
37	Degradation of Trace Organic Contaminants by a Membrane Distillation Enzymatic Bioreactor. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 879	2.6	16
36	Realignment of sea turtle isotope studies needed to match conservation priorities. <i>Marine Ecology - Progress Series</i> , 2017 , 583, 259-271	2.6	16
35	Primary green turtle (<i>Chelonia mydas</i>) skin fibroblasts as an in vitro model for assessing genotoxicity and oxidative stress. <i>Aquatic Toxicology</i> , 2019 , 207, 13-18	5.1	16
34	Charting a path towards non-destructive biomarkers in threatened wildlife: A systematic quantitative literature review. <i>Environmental Pollution</i> , 2018 , 234, 59-70	9.3	15
33	Antioxidant responses and lipid peroxidation in gills and hepatopancreas of the mussel <i>Perna viridis</i> upon exposure to the red-tide organism <i>Chattonella marina</i> and hydrogen peroxide. <i>Harmful Algae</i> , 2012 , 13, 40-46	5.3	14
32	Cytotoxicity of organic and inorganic compounds to primary cell cultures established from internal tissues of <i>Chelonia mydas</i> . <i>Science of the Total Environment</i> , 2019 , 664, 958-967	10.2	13
31	PBDE-47 exposure causes gender specific effects on apoptosis and heat shock protein expression in marine medaka, <i>Oryzias melastigma</i> . <i>Aquatic Toxicology</i> , 2014 , 147, 57-67	5.1	12
30	Assessing temporal and spatial trends in estuarine nutrient dynamics using a multi-species stable isotope approach. <i>Ecological Indicators</i> , 2016 , 67, 338-345	5.8	12
29	Downstream trends of in vitro bioassay responses in a wastewater effluent-dominated river. <i>Chemosphere</i> , 2018 , 212, 182-192	8.4	11
28	Habitat use by green turtles (<i>Chelonia mydas</i>) nesting in Peninsular Malaysia: local and regional conservation implications. <i>Wildlife Research</i> , 2009 , 36, 637	1.8	10

27	Towards the development of standardised sea turtle primary cell cultures for toxicity testing. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 173, 63-70	7	10
26	Altered bioenergetics and developmental effects in striped marsh frog (<i>Limnodynastes peronii</i>) tadpoles exposed to UV treated sewage. <i>Aquatic Toxicology</i> , 2016 , 175, 30-8	5.1	9
25	Effects of 1,2-dichlorobenzene on the growth, bioenergetics and reproduction of the amphipod, <i>Melita longidactyla</i> . <i>Chemosphere</i> , 2010 , 80, 20-7	8.4	9
24	Distinguishing between sea turtle foraging areas using stable isotopes from commensal barnacle shells. <i>Scientific Reports</i> , 2019 , 9, 6565	4.9	8
23	Gender-specific transcriptional profiling of marine medaka (<i>Oryzias melastigma</i>) liver upon BDE-47 exposure. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2013 , 8, 255-62	2	8
22	Using growth rates to estimate age of the sea turtle barnacle <i>Chelonibia testudinaria</i> . <i>Marine Biology</i> , 2017 , 164, 1	2.5	8
21	Effects of off-road vehicle tyre ruts on the beach dispersal of green sea turtle <i>Chelonia mydas</i> hatchlings. <i>Endangered Species Research</i> , 2012 , 18, 27-34	2.5	8
20	Green turtle (<i>Chelonia mydas</i>) population demographics at three chemically distinct foraging areas in the northern Great Barrier Reef. <i>Science of the Total Environment</i> , 2019 , 652, 1040-1050	10.2	8
19	Elucidating the performance of an integrated laccase- and persulfate-assisted process for degradation of trace organic contaminants (TrOCs). <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 1069-1082	4.2	7
18	$\delta^{15}N$ of estuarine fishes as a quantitative indicator of urbanization. <i>Ecological Indicators</i> , 2015 , 56, 41-49	5.8	6
17	Development and application of species-specific cell-based bioassays to assess toxicity in green sea turtles. <i>Science of the Total Environment</i> , 2020 , 747, 142095	10.2	5
16	Changes in global protein expression in sea turtle cells exposed to common contaminants indicates new biomarkers of chemical exposure. <i>Science of the Total Environment</i> , 2021 , 751, 141680	10.2	5
15	Global oxygen isoscapes for barnacle shells: Application for tracing movement in oceans. <i>Science of the Total Environment</i> , 2020 , 705, 135782	10.2	4
14	Post-emergence handling of green turtle hatchlings: improving hatchery management worldwide. <i>Animal Conservation</i> , 2013 , 16, 316-323	3.2	3
13	Combining analytical and in vitro techniques for comprehensive assessments of chemical exposure and effect in green sea turtles (<i>Chelonia mydas</i>). <i>Chemosphere</i> , 2021 , 274, 129752	8.4	3
12	Combined impacts of photosystem II-inhibiting herbicides and light availability on seagrass and marine microalgae. <i>Marine Ecology - Progress Series</i> , 2021 , 668, 215-230	2.6	2
11	Improving rehabilitation outcomes using metabolomics: Health, recovery and biomarkers of mortality in sick and injured green turtles (<i>Chelonia mydas</i>). <i>Biological Conservation</i> , 2021 , 254, 108943	6.2	2
10	Systematic review of reptile reproductive toxicology to inform future research directions on endangered or threatened species, such as sea turtles. <i>Environmental Pollution</i> , 2021 , 286, 117470	9.3	2

9	Interactions among multiple stressors vary with exposure duration and biological response.. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022 , 289, 20220348	4.4	2
8	Temporal changes in chemical contamination of green turtles (<i>Chelonia mydas</i>) foraging in a heavily industrialised seaport.. <i>Science of the Total Environment</i> , 2022 , 817, 152848	10.2	1
7	The Karyotype of Blainville's Beaked Whale, <i>Mesoplodon densirostris</i> . <i>Cytogenetic and Genome Research</i> , 2020 , 160, 698-703	1.9	1
6	Unique Post-telemetry Recapture Enables Development of Multi-Element Isoscapes From Barnacle Shell for Retracing Host Movement. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	1
5	A comparative analysis of the karyotypes of three dolphins - Montagu, 1821, Charlton-Robb et al., 2011, and Cuvier, 1812. <i>Comparative Cytogenetics</i> , 2021 , 15, 53-63	1	1
4	An integrative approach to define chemical exposure threshold limits for endangered sea turtles. <i>Journal of Hazardous Materials</i> , 2021 , 420, 126512	12.8	0
3	Differences in marine megafauna in vitro sensitivity highlights the need for species-specific chemical risk assessments. <i>Aquatic Toxicology</i> , 2021 , 239, 105939	5.1	0
2	Optimisation of an automated high-throughput micronucleus (HiTMiN) assay to measure genotoxicity of environmental contaminants.. <i>Chemosphere</i> , 2022 , 298, 134349	8.4	0
1	Individual and combined effects of diuron and light reduction on marine microalgae. <i>Ecotoxicology and Environmental Safety</i> , 2022 , 241, 113729	7	0