

Sietse M Van Netten

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

351
citations

1306789

7
h-index

1588620

8
g-index

11
all docs

11
docs citations

11
times ranked

234
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrodynamic detection by cupulae in a lateral line canal: functional relations between physics and physiology. <i>Biological Cybernetics</i> , 2006, 94, 67-85.	0.6	121
2	Source location encoding in the fish lateral line canal. <i>Journal of Experimental Biology</i> , 2006, 209, 1548-1559.	0.8	100
3	Bio-inspired all-optical artificial neuromast for 2D flow sensing. <i>Bioinspiration and Biomimetics</i> , 2018, 13, 026013.	1.5	41
4	Performance of neural networks for localizing moving objects with an artificial lateral line. <i>Bioinspiration and Biomimetics</i> , 2017, 12, 056009.	1.5	33
5	Recurrent neural networks for hydrodynamic imaging using a 2D-sensitive artificial lateral line. <i>Bioinspiration and Biomimetics</i> , 2019, 14, 055001.	1.5	21
6	Three-dimensional multi-source localization of underwater objects using convolutional neural networks for artificial lateral lines. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20190616.	1.5	13
7	Hydrodynamic Imaging using an all-optical 2D Artificial Lateral Line. , 2019, , .		9
8	Shape Classification Using Hydrodynamic Detection via a Sparse Large-Scale 2D-Sensitive Artificial Lateral Line. <i>IEEE Access</i> , 2020, 8, 11393-11404.	2.6	8
9	The Quadrature Method: A Novel Dipole Localisation Algorithm for Artificial Lateral Lines Compared to State of the Art. <i>Sensors</i> , 2021, 21, 4558.	2.1	3
10	Training submerged source detection for a 2D fluid flow sensor array with extreme learning machines. , 2019, , .		2
11	Biophysics of the Lateral Line and Applications. , 2020, , 116-132.		0