Maurizio Porfiri

List of Publications by Year
in descending order

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396	12,191	27035	56606
papers	citations	58 h-index	87 g-index

414	414	414	7999
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Educating Youth About Human Impact on Freshwater Ecosystems Using an Online Serious Game. IEEE Transactions on Games, 2023, 15, 590-602.	1.2	2
2	A Low-Cost Telerehabilitation Paradigm for Bimanual Training. IEEE/ASME Transactions on Mechatronics, 2022, 27, 395-406.	3.7	4
3	Analysis of lockdown perception in the United States during the COVID-19 pandemic. European Physical Journal: Special Topics, 2022, 231, 1625-1633.	1.2	11
4	Data-Driven Classification of Human Movements in Virtual Realityâ€“Based Serious Games: Preclinical Rehabilitation Study in Citizen Science. JMIR Serious Games, 2022, 10, e27597.	1.7	3
5	Ecology of fear in highly invasive fish revealed by robots. IScience, 2022, 25, 103529.	1.9	11
6	Modeling the actuation of curved ionic polymer metal composites. Smart Materials and Structures, 2022, 31, 035013.	1.8	2
7	Network-Aware 5G Edge Computing for Object Detection: Augmenting Wearables to â€œSeeâ€•More, Farther and Faster. IEEE Access, 2022, 10, 29612-29632.	2.6	7
8	Predicting the Effects of Waning Vaccine Immunity Against COVIDâ€19 through Highâ€Resolution Agentâ€Based Modeling. Advanced Theory and Simulations, 2022, 5, 2100521.	1.3	11
9	On Maxwell stress and its relationship with the dielectric constant in the actuation of ionic polymer metal composites. Journal of the Mechanics and Physics of Solids, 2022, 164, 104875.	2.3	6
10	Reply to: Models of flow through sponges must consider the sponge tissue. Nature, 2022, 603, E26-E28.	13.7	1
11	The detection matrix as a model-agnostic tool to estimate the number of degrees of freedom in mechanical systems and engineering structures. Chaos, 2022, 32, 033106.	1.0	2
12	Modeling non-idealities in ionic polymer metal composites. , 2022, , .		0
13	Inferring the size of a collective of self-propelled Vicsek particles from the random motion of a single unit. Communications Physics, 2022, 5, .	2.0	4
14	Finite volume effects of ions in ionic membranes. , 2022, , .		0
15	A spiropyran-based photochromic webbing for ultra-violet light damage sensing. , 2022, , .		0
16	Three-dimensional exact solution of free vibrations of a simply supported rectangular plate in contact with a fluid. Journal of Sound and Vibration, 2022, 534, 117007.	2.1	1
17	Actuation of ionic polymer-metal composites with alkali metal counterionsâ€”a molecular dynamics study. Engineering Research Express, 2022, 4, 025031.	0.8	1
18	Urban Determinants of COVID-19 Spread: a Comparative Study across Three Cities in New York State. Journal of Urban Health, 2022, 99, 909-921.	1.8	6

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19	What factors drive state firearm law adoption? An application of exponential-family random graph models. Social Science and Medicine, 2022, 305, 115103.	1.8	3
20	A spatiotemporal model of firearm ownership in the United States. Patterns, 2022, 3, 100546.	3.1	2
21	Spatiotemporal patterns of firearm acquisition in the United States in different presidential terms. Chaos, 2022, 32, .	1.0	1
22	A non-ideal solution theory for the mechanics and electrochemistry of charged membranes. Npj Computational Materials, 2022, 8, .	3.5	2
23	Ideal-dilute-incompressible solutions. Electrochimica Acta, 2022, 426, 140781.	2.6	4
24	Analysis of the Heterogeneous Vectorial Network Model of Collective Motion. , 2021, 5, 1103-1108.		1
25	Acute Citalopram administration modulates anxiety in response to the context associated with a robotic stimulus in zebrafish. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 108, 110172.	2.5	9
26	Does Winning or Losing Change Playersâ€™ Engagement in Competitive Games? Experiments in Virtual Reality. IEEE Transactions on Games, 2021, 13, 23-34.	1.2	12
27	Highâ€Resolution Agentâ€Based Modeling of COVIDâ€19 Spreading in a Small Town. Advanced Theory and Simulations, 2021, 4, 2000277.	1.3	39
28	Integrating old and new complexity measures toward automated seizure detection from long-term video EEG recordings. IScience, 2021, 24, 101997.	1.9	3
29	Solvation-Driven Electrochemical Actuation. Physical Review Letters, 2021, 126, 046001.	2.9	9
30	Modeling multi-sensory feedback control of zebrafish in a flow. PLoS Computational Biology, 2021, 17, e1008644.	1.5	9
31	Acute Citalopram administration alters zebrafish social dynamics in a behavioral teleporting experiment. , 2021, 2021, .		0
32	Modelling and predicting the effect of social distancing and travel restrictions on COVID-19 spreading. Journal of the Royal Society Interface, 2021, 18, 20200875.	1.5	61
33	Body Size and Behavioural Plasticity Interact to Influence the Performance of Free-Foraging Bumble Bee Colonies. Insects, 2021, 12, 236.	1.0	14
34	Modeling water motion in ionic polymer metal composites. , 2021, , .		2
35	An Inconspicuous, Integrated Electronic Travel Aid for Visual Impairment. ASME Letters in Dynamic Systems and Control, 2021, 1, .	0.4	8
36	COVIDâ€19 Modeling: Highâ€Resolution Agentâ€Based Modeling of COVIDâ€19 Spreading in a Small Town (Adv.) Tj ETQq0 0 0 rgBT /O	1.3	9

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37	Antiresonance in switched systems with only unstable modes. Physical Review Research, 2021, 3, .	1.3	5
38	Modeling Human Migration Under Environmental Change: A Case Study of the Effect of Sea Level Rise in Bangladesh. Earth's Future, 2021, 9, e2020EF001931.	2.4	10
39	How adherence to public health measures shapes epidemic spreading: A temporal network model. Chaos, 2021, 31, 043115.	1.0	12
40	Modeling zebrafish geotaxis as a feedback control process. , 2021, 2021, 660-665.		4
41	A photochromic nylon webbing for ultra-violet light sensing. Smart Materials and Structures, 2021, 30, 085015.	1.8	3
42	Extreme flow simulations reveal skeletal adaptations of deep-sea sponges. Nature, 2021, 595, 537-541.	13.7	64
43	Molecular dynamics of ionic polymer-metal composites. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200408.	1.6	3
44	Designing the Safe Reopening of US Towns Through Highâ€Resolution Agentâ€Based Modeling. Advanced Theory and Simulations, 2021, 4, 2100157.	1.3	10
45	Modeling added mass effects on the vibrations of air-backed, pre-deformed membranes. Journal of Sound and Vibration, 2021, 505, 116149.	2.1	5
46	Integrated Evolutionary Algorithms/Computational Fluid Dynamics for Drag Reduction in Highway Design. Journal of Infrastructure Systems, 2021, 27, 04021025.	1.0	0
47	Collective Emotional Contagion in Zebrafish. Frontiers in Behavioral Neuroscience, 2021, 15, 730372.	1.0	5
48	Detection of Influential Nodes in Network Dynamical Systems From Time Series. IEEE Transactions on Control of Network Systems, 2021, 8, 1249-1260.	2.4	4
49	Emergence of in-line swimming patterns in zebrafish pairs. Flow, 2021, 1, .	1.0	7
50	Modeling Actuation of Ionomer Cilia in Salt Solution Under an External Electric Field. ASME Letters in Dynamic Systems and Control, 2021, 1, .	0.4	1
51	Mathematical Modeling of Zebrafish Social Behavior in Response to Acute Caffeine Administration. Frontiers in Applied Mathematics and Statistics, 2021, 7, .	0.7	1
52	Inversion of Solvent Migration in Charged Membranes. Physical Review Letters, 2021, 127, 156001.	2.9	8
53	Quantifying the role of the COVID-19 pandemic in the 2020 U.S. presidential elections. European Physical Journal: Special Topics, 2021, , 1-9.	1.2	1
54	Epidemic Spreading in Temporal and Adaptive Networks with Static Backbone. IEEE Transactions on Network Science and Engineering, 2020, 7, 549-561.	4.1	28

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55	Design and development of a robotic predator as a stimulus in conditioned place aversion for the study of the effect of ethanol and citalopram in zebrafish. Behavioural Brain Research, 2020, 378, 112256.	1.2	12
56	Detecting network backbones against time variations in node properties. Nonlinear Dynamics, 2020, 99, 855-878.	2.7	8
57	Model-Based Feedback Control of Live Zebrafish Behavior via Interaction With a Robotic Replica. IEEE Transactions on Robotics, 2020, 36, 28-41.	7.3	14
58	Consensus Over Activity-Driven Networks. IEEE Transactions on Control of Network Systems, 2020, 7, 866-877.	2.4	14
59	Data-driven modeling of zebrafish behavioral response to acute caffeine administration. Journal of Theoretical Biology, 2020, 485, 110054.	0.8	10
60	Leaderâ€“follower consensus on activity-driven networks. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20190485.	1.0	5
61	An information-theoretic approach to study spatial dependencies in small datasets. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200113.	1.0	3
62	Behavioral Teleporting of Individual Ethograms onto Inanimate Robots: Experiments on Social Interactions in Live Zebrafish. IScience, 2020, 23, 101418.	1.9	8
63	The gold miner's dilemma: Use of information scent in cooperative and competitive information foraging. Computers in Human Behavior, 2020, 109, 106352.	5.1	1
64	Self-Protection versus Fear of Stricter Firearm Regulations: Examining the Drivers of Firearm Acquisitions in the Aftermath of a Mass Shooting. Patterns, 2020, 1, 100082.	3.1	6
65	Zebrafish exhibit associative learning for an aversive robotic stimulus. Lab Animal, 2020, 49, 259-264.	0.2	7
66	A multi-agent model to study epidemic spreading and vaccination strategies in an urban-like environment. Applied Network Science, 2020, 5, 68.	0.8	14
67	Design and Feasibility Study of the Mobile Application StopTheSpread. IEEE Access, 2020, 8, 172105-172122.	2.6	4
68	Reconstructing irreducible links in temporal networks: which tool to choose depends on the network size. Journal of Physics Complexity, 2020, 1, 015001.	0.9	4
69	Decoding collective communications using information theory tools. Journal of the Royal Society Interface, 2020, 17, 20190563.	1.5	28
70	On assessing control actions for epidemic models on temporal networks. , 2020, , 1-1.		13
71	Nudging and citizen science: The effectiveness of feedback in energy-demand management. Journal of Environmental Management, 2020, 269, 110759.	3.8	43
72	On Structural Theories for Ionic Polymer Metal Composites: Balancing Between Accuracy and Simplicity. Journal of Elasticity, 2020, 141, 227-272.	0.9	14

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73	Musical Collaboration in Rhythmic Improvisation. Entropy, 2020, 22, 233.	1.1	4
74	Collective Pulsing in Xeniid Corals: Part Iâ€"Using Computer Vision and Information Theory to Search for Coordination. Bulletin of Mathematical Biology, 2020, 82, 90.	0.9	0
75	A 3D printing approach toward targeted intervention in telerehabilitation. Scientific Reports, 2020, 10, 3694.	1.6	3
76	Improving on transfer entropy-based network reconstruction using time-delays: Approach and validation. Chaos, 2020, 30, 023125.	1.0	4
77	Multiaxial deformations of ionic polymer metal composites. International Journal of Engineering Science, 2020, 149, 103227.	2.7	22
78	Analysis and control of epidemics in temporal networks with self-excitement and behavioral changes. European Journal of Control, 2020, 54, 1-11.	1.6	9
79	Empirical Evidence of Upward Social Comparison in a Prisonerâ€™s Dilemma Game. IEEE Access, 2020, 8, 52884-52894.	2.6	3
80	Simultaneous digital image correlation/particle image velocimetry to unfold fluidâ€“structure interaction during air-backed impact. Journal of Fluids and Structures, 2020, 95, 102980.	1.5	5
81	Validity and Limitations of the Detection Matrix to Determine Hidden Units and Network Size from Perceptible Dynamics. Physical Review Letters, 2020, 124, 168301.	2.9	9
82	Unequal effects of the national lockdown on mental and social health in Italy. Annali Dell'Istituto Superiore Di Sanita, 2020, 56, 497-501.	0.2	6
83	Low Velocity Impact of Marine Composites: Experiments and Theory. , 2020, , 221-251.		1
84	Inferring Impulsive Hydrodynamic Loading During Hull Slamming From Water Velocity Measurements. , 2020, , 253-280.		0
85	On the relationship between network connectivity and group performance in small teams of humans: experiments in virtual reality. Journal of Physics Complexity, 2020, 1, 025003.	0.9	1
86	Transfer entropy on symbolic recurrences. Chaos, 2019, 29, 063123.	1.0	11
87	Contactless actuation of perfluorinated ionomer membranes in salt solution: an experimental investigation. Scientific Reports, 2019, 9, 11989.	1.6	5
88	The International Symposium on Dynamic Response and Failure of Composite Materials, Draf2018. Journal of Materials Engineering and Performance, 2019, 28, 3157-3160.	1.2	0
89	Backbone reconstruction in temporal networks from epidemic data. Physical Review E, 2019, 100, 042306.	0.8	5
90	Sensing mechanical deformation via ionic polymer metal composites: A primer. IEEE Instrumentation and Measurement Magazine, 2019, 22, 5-12.	1.2	14

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91	Graphene Mesh for Selfâ€Sensing Ionic Soft Actuator Inspired from Mechanoreceptors in Human Body. Advanced Science, 2019, 6, 1901711.	5.6	29
92	Behavioural and life-history responses of mosquitofish to biologically inspired and interactive robotic predators. Journal of the Royal Society Interface, 2019, 16, 20190359.	1.5	37
93	Zebrafish Adjust Their Behavior in Response to an Interactive Robotic Predator. Frontiers in Robotics and AI, 2019, 6, 38.	2.0	32
94	Detecting switching leadership in collective motion. Chaos, 2019, 29, 011102.	1.0	10
95	Media coverage and firearm acquisition in the aftermath of a mass shooting. Nature Human Behaviour, 2019, 3, 913-921.	6.2	34
96	A combined digital image correlation/particle image velocimetry study of water-backed impact. Composite Structures, 2019, 224, 111010.	3.1	12
97	Social information and spontaneous emergence of leaders in human groups. Journal of the Royal Society Interface, 2019, 16, 20180938.	1.5	10
98	Producing knowledge by admitting ignorance: Enhancing data quality through an â€œI donâ€™t knowâ€• option in citizen science. PLoS ONE, 2019, 14, e0211907.	1.1	9
99	An information-theoretic study of fish swimming in the wake of a pitching airfoil. Physica D: Nonlinear Phenomena, 2019, 396, 35-46.	1.3	7
100	A Comparison of Individual Learning and Social Learning in Zebrafish Through an Ethorobotics Approach. Frontiers in Robotics and AI, 2019, 6, 71.	2.0	9
101	Application of symbolic recurrence to experimental data, from firearm prevalence to fish swimming. Chaos, 2019, 29, 113128.	1.0	1
102	Effect of self-excitement and behavioral factors on epidemics on activity driven networks. , 2019, , .		0
103	Social environment modulates anxiogenic effects of caffeine in zebrafish. Behavioural Pharmacology, 2019, 30, 45-58.	0.8	13
104	Combined particle image velocimetry/digital image correlation for load estimation. Experimental Thermal and Fluid Science, 2019, 100, 207-221.	1.5	21
105	Social Information as a Means to Enhance Engagement in Citizen Scienceâ€Based Telerehabilitation. Journal of the Association for Information Science and Technology, 2019, 70, 587-595.	1.5	10
106	Windows of opportunity for the stability of jump linear systems: Almost sure versus moment convergence. Automatica, 2019, 100, 323-329.	3.0	6
107	Robustness of Synchronization to Additive Noise: How Vulnerability Depends on Dynamics. IEEE Transactions on Control of Network Systems, 2019, 6, 375-387.	2.4	9
108	Searching for clues about Maxwell stress in the back-relaxation of ionic polymer-metal composites. , 2019, , .		3

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109	The Role of Social Interactions in Motor Performance: Feasibility Study Toward Enhanced Motivation in Telerehabilitation. Journal of Medical Internet Research, 2019, 21, e12708.	2.1	11
110	Using demographics toward efficient data classification in citizen science: a Bayesian approach. PeerJ Computer Science, 2019, 5, e239.	2.7	2
111	Comparison between two- and three-dimensional scoring of zebrafish response to psychoactive drugs: identifying when three-dimensional analysis is needed. PeerJ, 2019, 7, e7893.	0.9	7
112	Dynamics and Control of Stochastically Switching Networks: Beyond Fast Switching. Computational Social Sciences, 2019, , 269-304.	0.4	0
113	Electrostatic actuation in ionic polymer-metal composites. , 2019, , .		0
114	Can robotic fish help zebrafish learn to open doors?. , 2019, , .		0
115	Plane-strain deformations of ionic polymer-metal composites. , 2019, , .		0
116	Matching individual attributes with task types in collaborative citizen science. PeerJ Computer Science, 2019, 5, e209.	2.7	1
117	Contagion Processes Over Temporal Networks With Time-Varying Backbones. , 2019, , .		1
118	Modeling Actuation of Ionomer Cilia in Salt Solution Under an External Electric Field. , 2019, , .		0
119	Network Synchronization Through Stochastic Broadcasting. , 2018, 2, 103-108.		7
120	Tracking Nemo: Help Scientists Understand Zebrafish Behavior. Zebrafish, 2018, 15, 310-313.	0.5	0
121	Information Flow in a Boolean Network Model of Collective Behavior. IEEE Transactions on Control of Network Systems, 2018, 5, 1864-1874.	2.4	1
122	Data-driven modelling of social forces and collective behaviour in zebrafish. Journal of Theoretical Biology, 2018, 443, 39-51.	0.8	50
123	Failure of glass-microballoons/thermoset-matrix syntactic foams subject to hydrostatic loading. European Journal of Mechanics, A/Solids, 2018, 70, 58-74.	2.1	10
124	Communicating through Touch: Macro Fiber Composites for Tactile Stimulation on the Abdomen. IEEE Transactions on Haptics, 2018, 11, 174-184.	1.8	12
125	Measurements and Observations in the XXI century (MOXXI): innovation and multi-disciplinarity to sense the hydrological cycle. Hydrological Sciences Journal, 2018, 63, 169-196.	1.2	151
126	Closed-loop control of zebrafish behaviour in three dimensions using a robotic stimulus. Scientific Reports, 2018, 8, 657.	1.6	64

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127	Modeling back-relaxation in ionic polymer metal composites: The role of steric effects and composite layers. Journal of Applied Physics, 2018, 123, .	1.1	34
128	Information Flow in a Model of Policy Diffusion: An Analytical Study. IEEE Transactions on Network Science and Engineering, 2018, 5, 42-54.	4.1	15
129	Social signals as design interventions for enhancing citizen science contributions. Information, Communication and Society, 2018, 21, 594-611.	2.6	14
130	Water entry of compliant slender bodies: Theory and experiments. International Journal of Mechanical Sciences, 2018, 149, 514-529.	3.6	26
131	Experimental characterization of oblique and asymmetric water entry. Experimental Thermal and Fluid Science, 2018, 92, 141-161.	1.5	48
132	Inference of time-varying networks through transfer entropy, the case of a Boolean network model. Chaos, 2018, 28, 103123.	1.0	12
133	Water Entry of Cylindrical Shells: Theory and Experiments. AIAA Journal, 2018, 56, 4500-4514.	1.5	10
134	Modeling Memory Effects in Activity-Driven Networks. SIAM Journal on Applied Dynamical Systems, 2018, 17, 2830-2854.	0.7	32
135	The Tagging Procedure of Visible Implant Elastomers Influences Zebrafish Individual and Social Behavior. Zebrafish, 2018, 15, 433-444.	0.5	7
136	The Influence of Social Information and Self-expertise on Emergent Task Allocation in Virtual Groups. Frontiers in Ecology and Evolution, 2018, 6, .	1.1	9
137	Enhancing the deformation range of ionic polymer metal composites through electrostatic actuation. Applied Physics Letters, 2018, 112, 261903.	1.5	3
138	A critical assessment of PIV-based pressure reconstruction in water-entry problems. AIP Conference Proceedings, 2018, , .	0.3	3
139	An information-theoretic approach to study activity driven networks. , 2018, , .		1
140	Bring them aboard: Rewarding participation in technology-mediated citizen science projects. Computers in Human Behavior, 2018, 89, 246-257.	5.1	54
141	Overcoming network resilience to synchronization through non-fast stochastic broadcasting. Chaos, 2018, 28, 071104.	1.0	8
142	An information-theoretic approach to study fluidâ€“structure interactions. Journal of Fluid Mechanics, 2018, 848, 968-986.	1.4	3
143	Solid obstacles can reduce hydrodynamic loading during water entry. Physical Review Fluids, 2018, 3, .	1.0	8
144	Inferring causal relationships in zebrafish-robot interactions through transfer entropy: a small lure to catch a big fish.. Animal Behavior and Cognition, 2018, 5, .	0.4	42

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145	Interactive experiments in a robotics-based platform to simulate zebrafish response to a predator. , 2018, , .		0
146	Modeling actuation of ionic polymer metal composites from the initial transient to back-relaxation. , 2018, , .		0
147	In-silico experiments of zebrafish behaviour: modeling swimming in three dimensions. Scientific Reports, 2017, 7, 39877.	1.6	27
148	How different is a 3Dâ€printed replica from a conspecific in the eyes of a zebrafish?. Journal of the Experimental Analysis of Behavior, 2017, 107, 279-293.	0.8	30
149	Modelling compression sensing in ionic polymer metal composites. Smart Materials and Structures, 2017, 26, 035030.	1.8	24
150	An alternative explanation of back-relaxation in ionic polymer metal composites. Extreme Mechanics Letters, 2017, 13, 78-83.	2.0	34
151	Analysis of Dynamical Robustness to Noise in Power Grids. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 413-421.	2.7	34
152	A theoretical framework for the study of compression sensing in ionic polymer metal composites. Proceedings of SPIE, 2017, , .	0.8	0
153	Simultaneous sensing of fluid velocity and temperature using particle tracers embedding nitrobenzofurazan functionalized thermosensitive hydrogels. , 2017, , .		1
154	Special Issue Editorial: Robotics: Mechanics and Control of Locomotion. Journal of Nonlinear Science, 2017, 27, 1089-1091.	1.0	0
155	A micromechanical model to study failure of polymer-glass syntactic foams at high strain rates. Computational Materials Science, 2017, 135, 189-204.	1.4	19
156	Three-dimensional scoring of zebrafish behavior unveils biological phenomena hidden by two-dimensional analyses. Scientific Reports, 2017, 7, 1962.	1.6	42
157	An Interactive Robotic Fish Exhibit for Designed Settings in Informal Science Learning. IEEE Transactions on Education, 2017, 60, 273-280.	2.0	3
158	simUfish: An Interactive Application to Teach K-12 Students About Zebrafish Behavior. Zebrafish, 2017, 14, 477-488.	0.5	6
159	Hydroelastic slamming of flexible wedges: Modeling and experiments from water entry to exit. Physics of Fluids, 2017, 29, .	1.6	43
160	Modeling fluid-structure interactions during impact loading of water-backed panels. Composite Structures, 2017, 171, 576-590.	3.1	16
161	Spatial memory training in a citizen science context. Computers in Human Behavior, 2017, 73, 38-46.	5.1	10
162	Shallow water entry: modeling and experiments. Journal of Engineering Mathematics, 2017, 104, 131-156.	0.6	23

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163	Toward a Realistic Modeling of Epidemic Spreading with Activity Driven Networks. Theoretical Biology, 2017, , 317-342.	0.0	1
164	Symbolic dynamics of animal interaction. Journal of Theoretical Biology, 2017, 435, 145-156.	0.8	19
165	Information theory and robotics meet to study predator-prey interactions. Chaos, 2017, 27, 073111.	1.0	24
166	Comparison of live stimuli and 3D printed replicas: preference tests for zebrafish. Proceedings of SPIE, 2017, , .	0.8	0
167	Highly compressible fluorescent particles for pressure sensing in liquids. Applied Physics Letters, 2017, 110, .	1.5	4
168	Zebrafish response to live predator and biologically-inspired robot in a circular arena. , 2017, , .		1
169	Memory Matters in Synchronization of Stochastically Coupled Maps. SIAM Journal on Applied Dynamical Systems, 2017, 16, 1372-1396.	0.7	16
170	Plasticity in leaderâ€“follower roles in human teams. Scientific Reports, 2017, 7, 14562.	1.6	9
171	Analysis of hydroelastic slamming of flexible structures: modeling and experiments. Procedia Engineering, 2017, 199, 1484-1488.	1.2	5
172	In situ temperature sensing with fluorescent chitosan-coated PNIPAAm/alginate beads. Journal of Materials Science, 2017, 52, 12506-12512.	1.7	24
173	Design and characterization of a miniature free-swimming robotic fish based on multi-material 3D printing. International Journal of Intelligent Robotics and Applications, 2017, 1, 209-223.	1.6	26
174	Increasing citizen science contribution using a virtual peer. Journal of the Association for Information Science and Technology, 2017, 68, 583-593.	1.5	31
175	Windows of opportunity for synchronization in stochastically coupled maps. Physica D: Nonlinear Phenomena, 2017, 340, 1-13.	1.3	28
176	Flow velocity and temperature sensing using thermosensitive fluorescent polymer seed particles in water. International Journal of Smart and Nano Materials, 2017, 8, 232-252.	2.0	11
177	An analytical framework for the study of epidemic models on activity driven networks. Journal of Complex Networks, 2017, 5, 924-952.	1.1	39
178	Water Impact of Syntactic Foams. Materials, 2017, 10, 224.	1.3	8
179	Multiphysics Modeling of Ionic Polymer Metal Composites, with Application in Underwater Sensing. Proceedings (mdpi), 2017, 1, .	0.2	0
180	â€œCape Fearâ€â€”A Hybrid Hillslope Plot for Monitoring Hydrological Processes. Hydrology, 2017, 4, 35.	1.3	7

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181	Inferring leadership in zebrafish pairs: An information-theoretic approach. , 2017, , .		1
182	Analysis of Pairwise Interactions in a Maximum Likelihood Sense to Identify Leaders in a Group. Frontiers in Robotics and AI, 2017, 4, .	2.0	39
183	Pressure reconstruction during water impact through particle image velocimetry. , 2017, , 395-416.		5
184	Integrating mechatronics in project-based learning of Malaysian high school students and teachers. International Journal of Mechanical Engineering Education, 2017, 45, 297-320.	0.6	7
185	A natural user interface to integrate citizen science and physical exercise. PLoS ONE, 2017, 12, e0172587.	1.1	18
186	Zebrafish swimming in the flow: a particle image velocimetry study. PeerJ, 2017, 5, e4041.	0.9	42
187	A novel permanent gauge-cam station for surface-flow observations on the Tiber River. Geoscientific Instrumentation, Methods and Data Systems, 2016, 5, 241-251.	0.6	34
188	IPMCs as EAPs: Applications. , 2016, , 1-24.		0
189	Using targeted design interventions to encourage extraâ€role crowdsourcing behavior. Journal of the Association for Information Science and Technology, 2016, 67, 483-489.	1.5	16
190	Miniature Underwater Robotic Fish for Animal-Robot Interactions. , 2016, , .		3
191	On effective temperature in network models of collective behavior. Chaos, 2016, 26, 043109.	1.0	12
192	Detecting causality in policy diffusion processes. Chaos, 2016, 26, 083113.	1.0	23
193	Autonomous Charging for an Underwater Robotic Fish by Direct Contact. , 2016, , .		1
194	Zebrafish response to a robotic replica in three dimensions. Royal Society Open Science, 2016, 3, 160505.	1.1	50
195	Understanding Policy Diffusion in the U.S.: An Information-Theoretical Approach to Unveil Connectivity Structures in Slowly Evolving Complex Systems. SIAM Journal on Applied Dynamical Systems, 2016, 15, 1384-1409.	0.7	15
196	Introduction: Collective dynamics of mechanical oscillators and beyond. Chaos, 2016, 26, 116101.	1.0	6
197	Impact Loading on Marine Panels: Modeling the Effect of Water Backing. Procedia Engineering, 2016, 167, 18-22.	1.2	4
198	A Mechatronics-Based Platform for In Situ Strain Measurement Through Mechanochromic Polymers. IEEE/ASME Transactions on Mechatronics, 2016, 21, 2989-2995.	3.7	4

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199	Three-dimensional water entry of a solid body: A computational study. Journal of Fluids and Structures, 2016, 66, 36-53.	1.5	66
200	Surface flow measurements from drones. Journal of Hydrology, 2016, 540, 240-245.	2.3	99
201	Activating social strategies: Face-to-face interaction in technology-mediated citizen science. Journal of Environmental Management, 2016, 182, 374-384.	3.8	74
202	Continuous-Time Discrete-Distribution Theory for Activity-Driven Networks. Physical Review Letters, 2016, 117, 228302.	2.9	51
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