Stefan C Kremer

List of Publications by Year in Descending Order

31 papers	523 citations	12 h-index	22 g-index
39 ext. papers	726 ext. citations	3.8 avg, IF	4.33 L-index

#	Paper	IF	Citations
31	Bulk arthropod abundance, biomass and diversity estimation using deep learning for computer vision. *Methods in Ecology and Evolution*, **2022**, 13, 346-357	7.7	0
30	Long-term TE persistence even without beneficial insertion. *BMC Genomics*, **2021**, 22, 260	4.5	
29	Transposable element persistence via potential genome-level ecosystem engineering. *BMC Genomics*, **2020**, 21, 367	4.5	6
28	**2020**,		14
27	Three critical factors affecting automated image species recognition performance for camera traps. *Ecology and Evolution*, **2020**, 10, 3503-3517	2.8	26
26	Past, present and future approaches using computer vision for animal re-identification from camera trap data. *Methods in Ecology and Evolution*, **2019**, 10, 461-470	7.7	61
25	Network intrusion detection system based on recursive feature addition and bigram technique. *Computers and Security*, **2018**, 73, 137-155	4.9	53
24	Yes! There are resilient generalizations (or "laws") in ecology. *Quarterly Review of Biology*, **2016**, 91, 119-31	3.4	12
23	Prediction of Protein Coding Regions Using a Wide-Range Wavelet Window Method. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2016**, 13, 742-53	3	20
22	Applying ecological models to communities of genetic elements: the case of neutral theory. *Molecular Ecology*, **2015**, 24, 3232-42	5.7	23
21	A new Canadian interdisciplinary Ph.D. in computational sciences. *Journal of Computational Science*, **2015**, 9, 82-87	3.4	2
20	A dynamic representation-based, de novo method for protein-coding region prediction and biological information detection **2015**, 46, 10-18		6
19	A survey of QoS/QoE mechanisms in heterogeneous wireless networks. *Physical Communication*, **2014**, 13, 61-72	2.2	39
18	An Accurate, Fast Embedded Feature Selection for SVMs **2014**,		6
17	A novel application of ecological analyses to assess transposable element distributions in the genome of the domestic cow, Bos taurus. *Genome*, **2013**, 56, 521-33	2.4	4
16	Distinguishing ecological from evolutionary approaches to transposable elements. *Biological Reviews*, **2013**, 88, 573-84	13.5	16
15	Protein secondary structure prediction using support vector machines and a codon encoding scheme **2012**,		2

14	Gene prediction based on DNA spectral analysis: a literature review. *Journal of Computational Biology*, **2011**, 18, 639-76	1.7	46
13	Protein coding region prediction based on the adaptive representation method **2011**,		3
12	Amino acid encoding schemes for machine learning methods **2011**,		7
11	Neural grammar networks for toxicology **2010**,		1
10	Theoretical justification of computing the 3-base periodicity using nucleotide distribution variance. *BioSystems*, **2010**, 101, 185-6	1.9	6
9	Neural Grammar Networks in QSAR Chemistry **2009**,		2
8	A new distance distribution paradigm to detect the variability of the influenza-A virus in high dimensional spaces **2009**,		1
7	Neural Grammar Networks. *Studies in Computational Intelligence*, **2009**, 67-96	0.8	1
6	New directions in fuzzy automata. *International Journal of Approximate Reasoning*, **2005**, 38, 175-214	3.6	66
5	A taxonomy for spatiotemporal connectionist networks revisited: the unsupervised case. *Neural Computation*, **2003**, 15, 1255-320	2.9	55
4	Spatiotemporal Connectionist Networks: A Taxonomy and Review. *Neural Computation*, **2001**, 13, 249-306	2.9	43
3	Cell Boundary Detection and Volume Approximation of Confocal Microscope Images for Bioinformatics. *Microscopy and Microanalysis*, **2000**, 6, 816-817	0.5	
2	Genomic Environments and Their Influence on Transposable Element Communities		1
1	Similarity learning networks for animal individual re-identification: an ecological perspective. *Mammalian Biology*,1	1.6	0