Margarita Osadchy

List of Publications by Year
in descending order

17 papers	796 citations	1307594 7 h-index	996975 15 g-index
17 all docs	17 docs citations	17 times ranked	971 citing authors

#	Article	IF	Citations
1	Deep convolutional neural networks for Raman spectrum recognition: a unified solution. Analyst, The, 2017, 142, 4067-4074.	3.5	300
2	SCiFI - A System for Secure Face Identification. , 2010, , .		167
3	No Bot Expects the DeepCAPTCHA! Introducing Immutable Adversarial Examples, With Applications to CAPTCHA Generation. IEEE Transactions on Information Forensics and Security, 2017, 12, 2640-2653.	6.9	127
4	Maps of protein structure space reveal a fundamental relationship between protein structure and function. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12301-12306.	7.1	69
5	Restoring subsampled color images. Machine Vision and Applications, 1999, 11, 197-202.	2.7	33
6	Dynamic spectrum matching with one-shot learning. Chemometrics and Intelligent Laboratory Systems, 2019, 184, 175-181.	3.5	26
7	Surface Dependent Representations for Illumination Insensitive Image Comparison. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 98-111.	13.9	22
8	Using deep learning to predict human decisions and using cognitive models to explain deep learning models. Scientific Reports, 2022, 12, 4736.	3.3	12
9	Using specularities in comparing 3D models and 2D images. Computer Vision and Image Understanding, 2008, 111, 275-294.	4.7	8
10	LDA classifier monitoring in distributed streaming systems. Journal of Parallel and Distributed Computing, 2019, 123, 156-167.	4.1	7
11	It is All in the System's Parameters: Privacy and Security Issues in Transforming Biometric Raw Data into Binary Strings. IEEE Transactions on Dependable and Secure Computing, 2019, 16, 796-804.	5.4	7
12	How Deep Learning Tools Can Help Protein Engineers Find Good Sequences. Journal of Physical Chemistry B, 2021, 125, 6440-6450.	2.6	7
13	Inverting Binarizations of Facial Templates Produced by Deep Learning (and Its Implications). IEEE Transactions on Information Forensics and Security, 2021, 16, 4184-4196.	6.9	4
14	GenFace: Improving Cyber Security Using Realistic Synthetic Face Generation. Lecture Notes in Computer Science, 2017, , 19-33.	1.3	4
15	Loose shape model for discriminative learning of object categories. , 2008, , .		1
16	LSHR-Net: A hardware-friendly solution for high-resolution computational imaging using a mixed-weights neural network. Neurocomputing, 2020, 406, 169-181.	5.9	1
17	Data-Independent Structured Pruning of Neural Networks via Coresets. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 7829-7841.	11.3	1