

Michael Antolovich

List of Publications by Year in Descending Order

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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.

55
papers

3,272
citations

23
h-index

57
g-index

65
ext. papers

3,544
ext. citations

4.8
avg, IF

4.63
L-index

#	Paper	IF	Citations
55	Rain Streak Removal with Well-Recovered Moving Objects from Video Sequences Using Photometric Correlation. <i>Lecture Notes in Computer Science</i> , 2020 , 3-13	0.9	
54	Sports Highlights Generation using Decomposed Audio Information 2019 ,		2
53	Parametric Classification of Bingham Distributions Based on Grassmann Manifolds. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 5771-5784	8.7	1
52	Tensorizing Restricted Boltzmann Machine. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2019 , 13, 1-16	4	3
51	A hybrid algorithm for low-rank approximation of nonnegative matrix factorization. <i>Neurocomputing</i> , 2019 , 364, 129-137	5.4	2
50	A Nonnegative Projection Based Algorithm for Low-Rank Nonnegative Matrix Approximation. <i>Lecture Notes in Computer Science</i> , 2017 , 240-247	0.9	
49	GPR signal attenuation through fragmented rock. <i>Mining Technology: Transactions of the Institute of Materials, Minerals and Mining Section A</i> , 2016 , 125, 114-120		1
48	Detection of Pre-stage of Epileptic Seizure by Exploiting Temporal Correlation of EMD Decomposed EEG Signals. <i>Journal of Medical and Bioengineering</i> , 2015 , 4, 110-116		12
47	Learning from Demonstration Using GMM, CHMM and DHMM: A Comparison. <i>Lecture Notes in Computer Science</i> , 2015 , 204-217	0.9	
46	Rock Fragment Boundary Detection Using Compressed Random Features. <i>Communications in Computer and Information Science</i> , 2015 , 273-286	0.3	1
45	Image segmentation using random features 2014 ,		1
44	Convergence Problem in GMM Related Robot Learning from Demonstration. <i>Lecture Notes in Computer Science</i> , 2014 , 62-71	0.9	1
43	UND: unite-and-divide method in Fourier and Radon domains for line segment detection. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 2500-5	8.7	3
42	Laboratory measurement of fragmented ore bulk density using ground penetrating radar. <i>Mining Technology: Transactions of the Institute of Materials, Minerals and Mining Section A</i> , 2013 , 122, 250-255		1
41	Improving the Efficiency of Spiking Network Learning. <i>Lecture Notes in Computer Science</i> , 2013 , 172-179	0.9	1
40	Robot learning by a mining tunnel inspection robot 2012 ,		1
39	Multi-view video compression using dynamic background frame and 3D motion estimation 2012 ,		1

38	FOCUSING GROUND PENETRATING RADAR IMAGES WITH VERTICAL OFFSET FILTERING. <i>Progress in Electromagnetics Research M</i> , 2011 , 19, 183-195	0.6	1
37	Application of Learning from Demonstration to a Mining Tunnel Inspection Robot 2011 ,		3
36	Determining bulk density of mine rock piles using ground penetrating radar frequency downshift 2011 ,		3
35	L1 LASSO Modeling and Its Bayesian Inference. <i>Lecture Notes in Computer Science</i> , 2008 , 318-324	0.9	
34	LC-MS investigation of oxidation products of phenolic antioxidants. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 962-71	5.7	78
33	Varietal and processing effects on the volatile profile of Australian olive oils. <i>Food Chemistry</i> , 2004 , 84, 341-349	8.5	56
32	Explanation of the Anomalous Complexation of Silver(I) with Ammonia in Terms of the Poor Affinity of the Ion for Water. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 8434-8438	2.8	17
31	De novo design of a D2-symmetrical protein that reproduces the diheme four-helix bundle in cytochrome bc1. <i>Journal of the American Chemical Society</i> , 2004 , 126, 8141-7	16.4	69
30	Quantitative changes in phenolic content during physiological development of the olive (<i>Olea europaea</i>) cultivar Hardy's Mammoth. <i>Journal of Agricultural and Food Chemistry</i> , 2003 , 51, 2532-8	5.7	81
29	Methods for testing antioxidant activity. <i>Analyst, The</i> , 2002 , 127, 183-98	5	716
28	Liquid chromatography-mass spectrometry (LC-MS) investigation of the thiobarbituric acid reactive substances (TBARS) reaction. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 1720-4	5.7	56
27	Identification of phenolic compounds in tissues of the novel olive cultivar hardy's mammoth. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 6716-24	5.7	93
26	Biotransformations of phenolic compounds in <i>Olea europaea</i> L.. <i>Scientia Horticulturae</i> , 2002 , 92, 147-176	4.1	165
25	The role of the peripheral benzodiazepine receptor in the apoptotic response to photodynamic therapy. <i>Photochemistry and Photobiology</i> , 2001 , 74, 346-9	3.6	37
24	Phenolic content and antioxidant activity of olive extracts. <i>Food Chemistry</i> , 2001 , 73, 73-84	8.5	623
23	Recovery of phenolic compounds from <i>Olea europaea</i> . <i>Analytica Chimica Acta</i> , 2001 , 445, 67-77	6.6	33
22	Detection of adulteration in Australian orange juices by stable carbon isotope ratio analysis (SCIRA). <i>Journal of Agricultural and Food Chemistry</i> , 2001 , 49, 2623-6	5.7	24
21	COPPER(II), NICKEL(II) AND COBALT(II) COMPLEXES WITH N,N'-BIS(2-N,N-DIMETHYLAMINOETHYL)PYRIDINE-2,6-DICARBOXAMIDE 1-OXIDE. BINUCLEATING BEHAVIOUR BY A DEPROTONATED PYRIDINE N-OXIDE LIGAND. <i>Journal of Coordination Chemistry</i> , 2000 , 50, 119-130	1.6	

20	Sample preparation in the determination of phenolic compounds in fruits. <i>Analyst, The</i> , 2000 , 125, 989-1009	218
19	Applications of mass spectrometry to plant phenols. <i>TrAC - Trends in Analytical Chemistry</i> , 1999 , 18, 362-376	42
18	Liquid chromatography with electrospray ionisation mass spectrometric detection of phenolic compounds from <i>Olea europaea</i> . <i>Journal of Chromatography A</i> , 1999 , 855, 529-37	4.5 76
17	Analytical Chemistry of Fruit Bioflavonoids A Review. <i>Analyst, The</i> , 1997 , 122, 11R-34R	5 337
16	Characterisation of citrus by chromatographic analysis of flavonoids. <i>Journal of the Science of Food and Agriculture</i> , 1997 , 75, 87-101	4.3 86
15	First syntheses of fused pyrroloporphyrins. <i>Chemical Communications</i> , 1996 , 1475	5.8 49
14	Methods for assessing the authenticity of orange juice. A review. <i>Analyst, The</i> , 1995 , 120, 1	5 85
13	X-ray crystal structure of $\text{Cu}_2(\text{medpco-2H})\text{Cl}_2$, (medpco = N,N'-bis(2-N,N-dimethylaminoethyl)pyridine-2,6-dicarboxamide 1-oxide. Copper(II) complexes of a deprotonated binucleating pyridine N-oxide ligand. <i>Inorganica Chimica Acta</i> , 1995 , 230, 139-144	2.7 8
12	Comparative molecular mechanics study of the high-spin nickel(II) complexes of an extended series of tetraaza macrocycles. <i>Journal of Molecular Structure</i> , 1994 , 323, 223-231	3.4 17
11	On the nature of the host-guest interaction between cyclam and 4-tert-butylbenzoic acid in a system pre-assembled for metal complex formation. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 1539-1540	20
10	Ligand design and metal-ion recognition. The interaction of copper(II) with a range of 16- to 19-membered macrocycles incorporating oxygen, nitrogen and sulfur donor atoms. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993 , 1013	37
9	Ligand design and metal-ion recognition. Comparison of the interaction of cobalt(II) and nickel(II) with 16- to 19-membered mixed-donor macrocycles. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992 , 1869	40
8	Laser desorption fourier transform mass spectrometric study of porphyrins attached to hydrocarbon spacers. <i>Organic Mass Spectrometry</i> , 1992 , 27, 1034-1041	5
7	X-ray structure of [dibromo(pco-O, O')(pco-O)copper(II)] (pco=2-pyridinecarboxamide 1-oxide), a simple structure which contains a unidentate and bidentate form of the same ligand. <i>Inorganica Chimica Acta</i> , 1991 , 190, 205-208	2.7 4
6	Modeling long-range photosynthetic electron transfer in rigidly bridged porphyrin-quinone systems. <i>The Journal of Physical Chemistry</i> , 1991 , 95, 1933-1941	55
5	Macrocyclic ligand ring size effects. Part 2. Synthetic, structural and electrochemical studies of the interaction of Ni(II) with 14-membered tetraaza macrocycles containing fused dibenzo substituents. <i>Journal of the Chemical Society Dalton Transactions</i> , 1991 , 2493	23
4	Comparative molecular mechanics study of the low-spin nickel(II) complexes of an extended series of tetraaza macrocycles. <i>Journal of the American Chemical Society</i> , 1991 , 113, 3346-3351	16.4 50
3	Metal complexes of the deprotonated form of N,N'-bis(2'-pyridinecarboxamide 1'-oxide)-1,2-ethane, (enpco), a dinegative N ₂ O ₂ quadridentate pyridine N-oxide ligand. X-ray crystal structure of $[\text{Cu}(\text{enpco-2H})]_2 \cdot 2\text{H}_2\text{O}$. <i>Inorganica Chimica Acta</i> , 1989 , 156, 189-193	2.7 10

- 2 The synthesis of bichromophoric rigid norbornylogous systems containing the porphyrin group as one of the chromophores. *Journal of the Chemical Society Perkin Transactions II*, **1989**, 783 16
- 1 X-Ray structure of $\text{Cu}_2(\text{medpco})\text{Cl}_4$, a complex with the potentially binucleating N-oxide ligand N,N'-bis(2-N,N-dimethylaminoethyl) pyridine-2,6-dicarboxamide 1-oxide (medpco). *Journal of the Chemical Society Chemical Communications*, **1984**, 582-583 8