Ovidiu Ivanciuc

List of Publications by Year in descending order

		236612	276539
43	2,291	25	41
papers	citations	h-index	g-index

47	47	47	1921
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Applications of Support Vector Machines in Chemistry. Reviews in Computational Chemistry, 2007, , 291-400.	1.5	261
2	SDAP: database and computational tools for allergenic proteins. Nucleic Acids Research, 2003, 31, 359-362.	6.5	246
3	Design of topological indices. Part 4. Reciprocal distance matrix, related local vertex invariants and topological indices. Journal of Mathematical Chemistry, 1993, 12, 309-318.	0.7	243
4	Modeling the bioconcentration factors and bioaccumulation factors of polychlorinated biphenyls with posetic quantitative super-structure/activity relationships (QSSAR). Molecular Diversity, 2006, 10, 133-145.	2.1	94
5	Data mining of sequences and 3D structures of allergenic proteins. Bioinformatics, 2002, 18, 1358-1364.	1.8	87
6	QSAR Comparative Study of Wiener Descriptors for Weighted Molecular Graphs. Journal of Chemical Information and Computer Sciences, 2000, 40, 1412-1422.	2.8	86
7	Bioinformatics Approaches to Classifying Allergens and Predicting Cross-Reactivity. Immunology and Allergy Clinics of North America, 2007, 27, 1-27.	0.7	81
8	Weka Machine Learning for Predicting the Phospholipidosis Inducing Potential. Current Topics in Medicinal Chemistry, 2008, 8, 1691-1709.	1.0	81
9	Characteristic motifs for families of allergenic proteins. Molecular Immunology, 2009, 46, 559-568.	1.0	73
10	Design of Topological Indices. Part 10. Parameters Based on Electronegativity and Covalent Radius for the Computation of Molecular Graph Descriptors for Heteroatom-Containing Molecules. Journal of Chemical Information and Computer Sciences, 1998, 38, 395-401.	2.8	69
11	Comprehensive 3D-modeling of allergenic proteins and amino acid composition of potential conformational IgE epitopes. Molecular Immunology, 2008, 45, 3740-3747.	1.0	67
12	Chemical Graphs, Molecular Matrices and Topological Indices in Chemoinformatics and Quantitative Structure-Activity Relationships§. Current Computer-Aided Drug Design, 2013, 9, 153-163.	0.8	60
13	Detecting Potential IgE-Reactive Sites on Food Proteins Using a Sequence and Structure Database, SDAP-Food. Journal of Agricultural and Food Chemistry, 2003, 51, 4830-4837.	2.4	55
14	Quantitative structure-property relationship study of normal boiling points for halogen-/ oxygen-/ sulfur-containing organic compounds using the CODESSA program. Tetrahedron, 1998, 54, 9129-9142.	1.0	54
15	Wiener Index Extension by Counting Even/Odd Graph Distances. Journal of Chemical Information and Computer Sciences, 2001, 41, 536-549.	2.8	53
16	The property distance index PD predicts peptides that cross-react with IgE antibodies. Molecular Immunology, 2009, 46, 873-883.	1.0	51
17	Extended Wiener indices. A new set of descriptors for quantitative structure-property studies. New Journal of Chemistry, 1998, 22, 819-822.	1.4	50
18	Using Property Based Sequence Motifs and 3D Modeling to Determine Structure and Functional Regions of Proteins. Current Medicinal Chemistry, 2004, 11, 583-593.	1.2	50

#	Article	IF	Citations
19	Common Physicalâ^'Chemical Properties Correlate with Similar Structure of the IgE Epitopes of Peanut Allergens. Journal of Agricultural and Food Chemistry, 2005, 53, 8752-8759.	2.4	43
20	Computer generation of acyclic graphs based on local vertex invariants and topological indices. Derived canonical labelling and coding of trees and alkanes. Journal of Mathematical Chemistry, 1992, 11, 79-105.	0.7	34
21	Evaluation in Quantitative Structureâ^'Property Relationship Models of Structural Descriptors Derived from Information-Theory Operators. Journal of Chemical Information and Computer Sciences, 2000, 40, 631-643.	2.8	33
22	Comparison of Weighting Schemes for Molecular Graph Descriptors:â€‰Application in Quantitative Structureâ^'Retention Relationship Models for Alkylphenols in Gasâ^'Liquid Chromatography. Journal of Chemical Information and Computer Sciences, 2000, 40, 732-743.	2.8	33
23	Structural analysis of linear and conformational epitopes of allergens. Regulatory Toxicology and Pharmacology, 2009, 54, S11-S19.	1.3	33
24	Posetic Quantitative Superstructure/Activity Relationships (QSSARs) for Chlorobenzenes. Journal of Chemical Information and Modeling, 2005, 45, 870-879.	2.5	31
25	Quasi-orthogonal Basis Sets of Molecular Graph Descriptors as a Chemical Diversity Measure. Journal of Chemical Information and Computer Sciences, 2000, 40, 126-134.	2.8	30
26	Prediction of Environmental Properties for Chlorophenols with Posetic Quantitative Super-Structure/Property Relationships (QSSPR). International Journal of Molecular Sciences, 2006, 7, 358-374.	1.8	25
27	Chemical graphs with degenerate topological indices based on information on distances. Journal of Mathematical Chemistry, 1993, 14, 21-33.	0.7	24
28	Identification of Groupings of Graph Theoretical Molecular Descriptors Using a Hybrid Cluster Analysis Approach. Journal of Chemical Information and Computer Sciences, 2000, 40, 1128-1146.	2.8	23
29	Robust Quantitative Modeling of Peptide Binding Affinities for MHC Molecules Using Physical-Chemical Descriptors. Protein and Peptide Letters, 2007, 14, 903-916.	0.4	21
30	Four New Topological Indices Based on the Molecular Path Code. Journal of Chemical Information and Modeling, 2007, 47, 716-731.	2.5	21
31	Computing Wiener-Type Indices for Virtual Combinatorial Libraries Generated from Heteroatom-Containing Building Blocks. Journal of Chemical Information and Computer Sciences, 2002, 42, 8-22.	2.8	20
32	QSAR for dihydrofolate reductase inhibitors with molecular graph structural descriptors. Computational and Theoretical Chemistry, 2002, 582, 39-51.	1.5	20
33	An Allergen Portrait Gallery: Representative Structures and an Overview of IgE Binding Surfaces. Bioinformatics and Biology Insights, 2010, 4, BBI.S5737.	1.0	19
34	The neural network MolNet prediction of alkane enthalpies. Analytica Chimica Acta, 1999, 384, 271-284.	2.6	17
35	Assessment of 3D models for allergen research. Proteins: Structure, Function and Bioinformatics, 2013, 81, 545-554.	1.5	16
36	Network-QSAR with Reaction Poset Quantitative Superstructure-Activity Relationships (QSSAR) for PCB Chromatographic Properties. Current Bioinformatics, 2011, 6, 25-34.	0.7	13

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37	Posetic Cluster Expansion for Substitution-Reaction Networks and Application to Methylated Cyclobutanes. Journal of Mathematical Chemistry, 2007, 41, 355-379.	0.7	10
38	Degeneracy of Topologic Distance Descriptors for Cubic Molecular Graphs:â€‰ Examples of Small Fullerenes. Journal of Chemical Information and Computer Sciences, 1997, 37, 485-488.	2.8	9
39	AllerML: Markup language for allergens. Regulatory Toxicology and Pharmacology, 2011, 60, 151-160.	1.3	9
40	Structural Database of Allergenic Proteins (SDAP). , 0, , 257-283.		6
41	Large â€œPillowâ€•Fullerenes Hydrogenated at the Interâ€sheet â€œSeamâ€• Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 109-129.	1.0	1
42	Meet the Guest Editor. Combinatorial Chemistry and High Throughput Screening, 2009, 12, 520-520.	0.6	0
43	Flow Network QSAR for the Prediction of Physicochemical Properties by Mapping an Electrical Resistance Network onto a Chemical Reaction Poset§. Current Computer-Aided Drug Design, 2013, 9, 233-240.	0.8	0