Veronica Morea

List of Publications by Year
in descending order

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65 papers	2,470 citations	185998 28 h-index	197535 49 g-index
69 all docs	69 docs citations	69 times ranked	3432 citing authors

#	Article	IF	Citations
1	Conformations of the third hypervariable region in the VH domain of immunoglobulins 1 1Edited by I. A. Wilson. Journal of Molecular Biology, 1998, 275, 269-294.	2.0	350
2	Assessment of homology-based predictions in CASP5. Proteins: Structure, Function and Bioinformatics, 2003, 53, 352-368.	1.5	165
3	Antibodyâ€“drug conjugates: targeting melanoma with cisplatin encapsulated in protein-cage nanoparticles based on human ferritin. Nanoscale, 2013, 5, 12278.	2.8	119
4	Moonlighting by Different Stressors: Crystal Structure of the Chaperone Species of a 2-Cys Peroxiredoxin. Structure, 2012, 20, 429-439.	1.6	102
5	Analysis and assessment of comparative modeling predictions in CASP4. Proteins: Structure, Function and Bioinformatics, 2001, 45, 22-38.	1.5	101
6	Antibody Modeling: Implications for Engineering and Design. Methods, 2000, 20, 267-279.	1.9	98
7	Vascular endothelial growth factor receptor-1 is deposited in the extracellular matrix by endothelial cells and is a ligand for theÎ±5Î²1 integrin. Journal of Cell Science, 2003, 116, 3479-3489.	1.2	97
8	Improved Doxorubicin Encapsulation and Pharmacokinetics of Ferritinâ€“Fusion Protein Nanocarriers Bearing Proline, Serine, and Alanine Elements. Biomacromolecules, 2016, 17, 514-522.	2.6	88
9	Duplication, divergence and formation of novel protein topologies. BioEssays, 2006, 28, 973-978.	1.2	67
10	Isoleucyl-tRNA synthetase levels modulate the penetrance of a homoplasmic m.4277T>C mitochondrial tRNAIle mutation causing hypertrophic cardiomyopathy. Human Molecular Genetics, 2012, 21, 85-100.	1.4	67
11	Positive and Negative Regulation of Angiogenesis by Soluble Vascular Endothelial Growth Factor Receptor-1. International Journal of Molecular Sciences, 2018, 19, 1306.	1.8	67
12	The Truncated Oxygen-avid Hemoglobin from Bacillus subtilis. Journal of Biological Chemistry, 2005, 280, 9192-9202.	1.6	66
13	Selective delivery of doxorubicin by novel stimuli-sensitive nano-ferritins overcomes tumor refractoriness. Journal of Controlled Release, 2016, 239, 10-18.	4.8	60
14	Antibody structure, prediction and redesign. Biophysical Chemistry, 1997, 68, 9-16.	1.5	56
15	Selective targeting of melanoma by PEG-masked protein-based multifunctional nanoparticles. International Journal of Nanomedicine, 2012, 7, 1489.	3.3	50
16	A novel thermostable hemoglobin from the actinobacterium Thermobifida fusca. FEBS Journal, 2005, 272, 4189-4201.	2.2	48
17	Insights into the Catalytic Mechanism of Glutathione S-Transferase: The Lesson from Schistosoma haematobium. Structure, 2005, 13, 1241-1246.	1.6	46
18	A single-chain antibody fragment is functionally expressed in the cytoplasm of both Escherichia coli and transgenic plants. FEBS Journal, 1999, 262, 617-624.	0.2	45

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19	The isolated carboxyâ€terminal domain of human mitochondrial leucylâ€<scp>tRNA</scp> synthetase rescues the pathological phenotype of mitochondrial <scp>tRNA</scp> mutations in human cells. EMBO Molecular Medicine, 2014, 6, 169-182.	3.3	43
20	Sequence Conservation in Families Whose Members Have Little or No Sequence Similarity: The Four-helical Cytokines and Cytochromes. Journal of Molecular Biology, 2002, 322, 205-233.	2.0	41
21	Analysis of a cDNA sequence encoding the immunoglobulin heavy chain of the Antarctic teleost Trematomus bernacchii. Fish and Shellfish Immunology, 2000, 10, 343-357.	1.6	38
22	Engineering Stable Cytoplasmic Intrabodies with Designed Specificity. Journal of Molecular Biology, 2003, 330, 323-332.	2.0	38
23	Exploring the Cytochrome c Folding Mechanism. Journal of Biological Chemistry, 2003, 278, 41136-41140.	1.6	38
24	Siteâ€specific proteolytic degradation of IgG monoclonal antibodies expressed in tobacco plants. Plant Biotechnology Journal, 2015, 13, 235-245.	4.1	37
25	Can yeast be used to study mitochondrial diseases? Biolistic tRNA mutants for the analysis of mechanisms and suppressors. Mitochondrion, 2009, 9, 408-417.	1.6	36
26	Yeast as a model of human mitochondrial tRNA base substitutions: Investigation of the molecular basis of respiratory defects. Rna, 2007, 14, 275-283.	1.6	35
27	Role of a Conserved Active Site Cationâ^Ï€ Interaction in Escherichia coli Serine Hydroxymethyltransferase. Biochemistry, 2009, 48, 12034-12046.	1.2	35
28	A proangiogenic peptide derived from vascular endothelial growth factor receptor-1 acts through Î±5Î²1 integrin. Blood, 2008, 111, 3479-3488.	0.6	30
29	Antitumor activity of a novel anti-vascular endothelial growth factor receptor-1 monoclonal antibody that does not interfere with ligand binding. Oncotarget, 2016, 7, 72868-72885.	0.8	25
30	<I>In Vivo</I> Targeting of Cutaneous Melanoma Using an Melanoma Stimulating Hormone-Engineered Human Protein Cage with Fluorophore and Magnetic Resonance Imaging Tracers. Journal of Biomedical Nanotechnology, 2015, 11, 81-92.	0.5	24
31	Inhibition of endothelial cell migration and angiogenesis by a vascular endothelial growth factor receptor-1 derived peptide. European Journal of Cancer, 2008, 44, 1914-1921.	1.3	21
32	The folding pathway of an engineered circularly permuted PDZ domain. Protein Engineering, Design and Selection, 2008, 21, 155-160.	1.0	20
33	Glucose transportation in the brain and its impairment in Huntington disease: one more shade of the energetic metabolism failure?. Amino Acids, 2017, 49, 1147-1157.	1.2	20
34	One ring (or two) to hold them all â€“ on the structure and function of protein nanotubes. FEBS Journal, 2015, 282, 2827-2845.	2.2	19
35	Short peptides from leucyl-tRNA synthetase rescue disease-causing mitochondrial tRNA point mutations. Human Molecular Genetics, 2016, 25, 903-915.	1.4	19
36	Antibody proteolysis: a common picture emerging from plants. Bioengineered, 2015, 6, 299-302.	1.4	17

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37	Peptidyl and azapeptidyl methylketones as substrate analog inhibitors of papain and cathepsin B. European Journal of Medicinal Chemistry, 1995, 30, 931-941.	2.6	16
38	Proteomic and functional analyses reveal pleiotropic action of the anti-tumoral compound NBDHEX in Giardia duodenalis. International Journal for Parasitology: Drugs and Drug Resistance, 2017, 7, 147-158.	1.4	16
39	Aminoacylation and conformational properties of yeast mitochondrial tRNA mutants with respiratory deficiency. Rna, 2005, 11, 914-927.	1.6	15
40	Humanization of a highly stable single-chain antibody by structure-based antigen-binding site grafting. Molecular Immunology, 2008, 45, 2474-2485.	1.0	15
41	A novel chimera: The â€œtruncated hemoglobin-antibiotic monooxygenaseâ€•from Streptomyces avermitilis. Gene, 2007, 398, 52-61.	1.0	14
42	Hb(Î±Î±,Î²Î²): A novel fusion construct for a dimeric, four-domain hemoglobin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 1462-1470.	1.1	13
43	The crystal structure of archaeal serine hydroxymethyltransferase reveals idiosyncratic features likely required to withstand high temperatures. Proteins: Structure, Function and Bioinformatics, 2014, 82, 3437-3449.	1.5	13
44	High activity and low toxicity of a novel CD71-targeting nanotherapeutic named The-0504 on preclinical models of several human aggressive tumors. Journal of Experimental and Clinical Cancer Research, 2021, 40, 63.	3.5	13
45	Novel compound mutations in the mitochondrial translation elongation factor (TSFM) gene cause severe cardiomyopathy with myocardial fibro-adipose replacement. Scientific Reports, 2019, 9, 5108.	1.6	12
46	Engineered Human Nanoferritin Bearing the Drug Genz-644282 for Cancer Therapy. Pharmaceutics, 2020, 12, 992.	2.0	12
47	Exploiting evolutionary relationships for predicting protein structures. Biotechnology and Bioengineering, 2003, 84, 756-762.	1.7	10
48	A novel resveratrol derivative induces mitotic arrest, centrosome fragmentation and cancer cell death by inhibiting Î³-tubulin. Cell Division, 2019, 14, 3.	1.1	9
49	Bioinformatics analysis of Ras homologue enriched in the striatum, a potential target for Huntington's disease therapy. International Journal of Molecular Medicine, 2019, 44, 2223-2233.	1.8	9
50	Structural and functional role of bases 32 and 33 in the anticodon loop of yeast mitochondrial tRNA^{Ile}. Rna, 2011, 17, 1983-1996.	1.6	8
51	Drosophila CG3303 is an essential endoribonuclease linked to TDP-43-mediated neurodegeneration. Scientific Reports, 2017, 7, 41559.	1.6	8
52	Neuropilinâ€1 is required for endothelial cell adhesion to soluble vascular endothelial growth factor receptor 1. FEBS Journal, 2022, 289, 183-198.	2.2	7
53	Exogenous peptides are able to penetrate human cell and mitochondrial membranes, stabilize mitochondrial tRNA structures, and rescue severe mitochondrial defects. FASEB Journal, 2020, 34, 7675-7686.	0.2	6
54	Exploring the Ability of LARS2 Carboxy-Terminal Domain in Rescuing the MELAS Phenotype. Life, 2021, 11, 674.	1.1	6

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55	Protein structure prediction and design. Biotechnology Annual Review, 1998, 4, 177-214.	2.1	5
56	The yeast model suggests the use of short peptides derived from mt LeuRS for the therapy of diseases due to mutations in several mt tRNAs. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 3065-3074.	1.9	5
57	Known Drugs Identified by Structure-Based Virtual Screening Are Able to Bind Sigma-1 Receptor and Increase Growth of Huntington Disease Patient-Derived Cells. International Journal of Molecular Sciences, 2021, 22, 1293.	1.8	5
58	Metals and Metal Derivatives in Medicine. Mini-Reviews in Medicinal Chemistry, 2013, 13, 211-221.	1.1	4
59	The phenotypic expression of mitochondrial tRNA-mutations can be modulated by either mitochondrial leucyl-tRNA synthetase or the C-terminal domain thereof. Frontiers in Genetics, 2015, 6, 113.	1.1	4
60	Huntingtin Ubiquitination Mechanisms and Novel Possible Therapies to Decrease the Toxic Effects of Mutated Huntingtin. Journal of Personalized Medicine, 2021, 11, 1309.	1.1	4
61	Protein Structure Prediction. Methods in Molecular Biology, 2008, 453, 33-85.	0.4	3
62	Arabidopsis N-acetyltransferase activity 2 preferentially acetylates 1,3-diaminopropane and thialysine. Plant Physiology and Biochemistry, 2022, 170, 123-132.	2.8	3
63	Recombinant human antibodies specific for hepatitis C virus proteins. Archives of Virology, 1997, 142, 601-610.	0.9	2
64	Biomimetic Materials Synthesis from Ferritin-Related, Cage-Shaped Proteins. , 2012, , .		1
65	Protein Engineering of Multi-Modular Transcription Factor Alcohol Dehydrogenase Repressor 1 (Adr1p), a Tool for Dissecting In Vitro Transcription Activation. Biomolecules, 2019, 9, 497.	1.8	0