

# Elias E Eliopoulos

## List of Publications by Year in descending order

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112  
papers

3,895  
citations

201658

27  
h-index

128286

60  
g-index

116  
all docs

116  
docs citations

116  
times ranked

3346  
citing authors

#	ARTICLE	IF	CITATIONS
1	Correspondence on NCF1-339 polymorphism is associated with altered formation of neutrophil extracellular traps, high serum interferon activity and antiphospholipid syndrome in systemic lupus erythematosus <sup>TM</sup> by Linge et al. <i>Annals of the Rheumatic Diseases</i> , 2022, , annrheumdis-2021-221871.	0.9	0
2	Increased risk of rheumatoid arthritis in patients with endometriosis: genetic aspects. <i>Rheumatology</i> , 2022, 61, 4252-4262.	1.9	9
3	Nicotinic cholinergic system and COVID-19: In silico identification of interactions between $\pm 7$ nicotinic acetylcholine receptor and the cryptic epitopes of SARS-Co-V and SARS-CoV-2 Spike glycoproteins. <i>Food and Chemical Toxicology</i> , 2021, 149, 112009.	3.6	46
4	A Holistic Evolutionary and 3D Pharmacophore Modelling Study Provides Insights into the Metabolism, Function, and Substrate Selectivity of the Human Monocarboxylate Transporter 4 (hMCT4). <i>International Journal of Molecular Sciences</i> , 2021, 22, 2918.	4.1	4
5	Demetra Application: An integrated genotype analysis web server for clinical genomics in endometriosis. <i>International Journal of Molecular Medicine</i> , 2021, 47, .	4.0	5
6	Clinical Genomic, phenotype and epigenetic insights into the pathology, autoimmunity and weight management of patients with Myasthenia Gravis (Review). <i>Molecular Medicine Reports</i> , 2021, 24, .	2.4	5
7	Conserved functional motifs of the nuclear receptor superfamily as potential pharmacological targets. , 2021, 1, .		7
8	An updated evolutionary study of the nuclear receptor protein family. <i>World Academy of Sciences Journal</i> , 2021, 3, .	0.6	3
9	On the origins of life: A molecular and a cellular journey driven by genentropy. <i>International Journal of Epigenetics</i> , 2021, 1, .	0.5	1
10	COVID-19 global social lockdowns: Energy-related, psychological, epigenetic, health and environmental impacts (Review). <i>International Journal of Epigenetics</i> , 2021, 1, .	0.5	2
11	Materials of biological origin and biofuels: Small environmental footprint and epigenetic impact (Review). <i>International Journal of Epigenetics</i> , 2021, 1, .	0.5	1
12	Comment on: homozygous variant p. Arg90His in NCF1 is associated with early-onset interferonopathy: a case report. <i>Pediatric Rheumatology</i> , 2021, 19, 125.	2.1	1
13	Nicotinic cholinergic system and COVID-19: In silico evaluation of nicotinic acetylcholine receptor agonists as potential therapeutic interventions. <i>Toxicology Reports</i> , 2021, 8, 73-83.	3.3	43
14	Hippo(crates): An integrated atlas for natural product exploration through a state-of-the art pipeline in chemoinformatics. <i>World Academy of Sciences Journal</i> , 2021, 4, .	0.6	1
15	Epione application: An integrated web-toolkit of clinical genomics and personalized medicine in systemic lupus erythematosus. <i>International Journal of Molecular Medicine</i> , 2021, 49, .	4.0	3
16	Molecular and clinical spectrum of four pedigrees of TRAPS in Greece: results from a national referral center. <i>Rheumatology</i> , 2020, 59, 1241-1246.	1.9	6
17	Discovery of Small-Molecule Inhibitors of Receptor Activator of Nuclear Factor- $\kappa$ B Ligand with a Superior Therapeutic Index. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 12043-12059.	6.4	6
18	Nicotinic Cholinergic System and COVID-19: In Silico Identification of an Interaction between SARS-CoV-2 and Nicotinic Receptors with Potential Therapeutic Targeting Implications. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5807.	4.1	70

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19	Identification and characterization of a rare variant in apolipoprotein A-IV, p.(V336M), and evaluation of HDL functionality in a Greek cohort with extreme HDL cholesterol levels. Archives of Biochemistry and Biophysics, 2020, 696, 108655.	3.0	1
20	Endometriosis research in the -omics era. Gene, 2020, 741, 144545.	2.2	20
21	Antibody Clustering Using a Machine Learning Pipeline that Fuses Genetic, Structural, and Physicochemical Properties. Advances in Experimental Medicine and Biology, 2020, 1194, 41-58.	1.6	1
22	Role of adenosine deaminase 2 gene variants in pediatric deficiency of adenosine deaminase 2: A structural biological approach. Molecular Medicine Reports, 2020, 21, 876-882.	2.4	5
23	Association of the DNASE1L3 rs35677470 polymorphism with systemic lupus erythematosus, rheumatoid arthritis and systemic sclerosis: Structural biological insights. Molecular Medicine Reports, 2020, 22, 4492-4498.	2.4	14
24	An updated evolutionary study of the Notch family reveals a new ancient origin and novel invariable motifs as potential pharmacological targets. PeerJ, 2020, 8, e10334.	2.0	13
25	Drugena: A Fully Automated Immunoinformatics Platform for the Design of Antibody-Drug Conjugates Against Neurodegenerative Diseases. Advances in Experimental Medicine and Biology, 2020, 1194, 203-215.	1.6	1
26	Structural Study of the DNA: Clock/Bmal1 Complex Provides Insights for the Role of Cortisol, hGR, and HPA Axis in Stress Management and Sleep Disorders. Advances in Experimental Medicine and Biology, 2020, 1195, 59-71.	1.6	2
27	Functional Significance of the C324R Mutation Examined Using a Structural Biological Approach. Journal of Rheumatology, 2019, 46, 654-655.	2.0	2
28	The putative polysaccharide deacetylase Ba0331: cloning, expression, crystallization and structure determination. Acta Crystallographica Section F, Structural Biology Communications, 2019, 75, 312-320.	0.8	1
29	The role of IL-16 gene polymorphisms in endometriosis. International Journal of Molecular Medicine, 2018, 41, 1469-1476.	4.0	15
30	Structures of the Peptidoglycan N-Acetylglucosamine Deacetylase Bc1974 and Its Complexes with Zinc Metalloenzyme Inhibitors. Biochemistry, 2018, 57, 753-763.	2.5	18
31	Aqueous Solubility Enhancement for Bioassays of Insoluble Inhibitors and QSPR Analysis: A TNF- $\alpha$ Study. SLAS Discovery, 2018, 23, 84-93.	2.7	3
32	Insights on the alteration of functionality of a tyrosine kinase 2 variant: a molecular dynamics study. Bioinformatics, 2018, 34, i781-i786.	4.1	11
33	Carcinogenic Pesticide Control via Hijacking Endosymbiosis; The Paradigm of DSB-A from Wolbachia pipiens for the Management of Otiorhynchus singularis. In Vivo, 2018, 32, 1051-1062.	1.3	2
34	Thermodynamic, crystallographic and computational studies of non-mammalian fatty acid binding to bovine $\beta$ -Lactoglobulin. International Journal of Biological Macromolecules, 2018, 118, 296-303.	7.5	13
35	Identification of novel bioinspired synthetic mosquito repellents by combined ligand-based screening and OBP-structure-based molecular docking. Insect Biochemistry and Molecular Biology, 2018, 98, 48-61.	2.7	32
36	Structural and Evolutionary Insights within the Polysaccharide Deacetylase Gene Family of Bacillus anthracis and Bacillus cereus. Genes, 2018, 9, 386.	2.4	14

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37	RGDtrip: A Database for the Investigation of Proteins Containing the RGD Tripeptide. <i>Current Bioinformatics</i> , 2018, 13, 518-528.	1.5	1
38	Concluding the trilogy: The interaction of 2,2-dihydroxybenzophenones and their carbonyl N-analogues with human glutathione transferase M1 face to face with the P1 and A1 isoenzymes involved in MDR. <i>Chemical Biology and Drug Design</i> , 2017, 90, 900-908.	3.2	16
39	The genetics of juvenile idiopathic arthritis: Searching for new susceptibility loci. <i>Molecular Medicine Reports</i> , 2017, 16, 8793-8798.	2.4	6
40	Lupus-Associated Functional Polymorphism in <i>PNP</i> Causes Cell Cycle Abnormalities and Interferon Pathway Activation in Human Immune Cells. <i>Arthritis and Rheumatology</i> , 2017, 69, 2328-2337.	5.6	24
41	Brief Report: A Novel <i>ELANE</i> Mutation Associated With Inflammatory Arthritis, Defective NETosis, and Recurrent Parvovirus Infection. <i>Arthritis and Rheumatology</i> , 2017, 69, 2396-2401.	5.6	17
42	Investigation of the genetic overlap between rheumatoid arthritis and psoriatic arthritis in a Greek population. <i>Scandinavian Journal of Rheumatology</i> , 2017, 46, 180-186.	1.1	14
43	02.02...Pharmaceutical disruption of B2GPI CXCL4 complex using computationally designed oligopeptides. , 2017, , .		0
44	Glutathione analogues as substrates or inhibitors that discriminate between allozymes of the MDR-involved human glutathione transferase P1. <i>Biopolymers</i> , 2016, 106, 330-344.	2.4	6
45	Isoenzyme- and Allozyme-Specific Inhibitors: 2,2-Dihydroxybenzophenones and Their Carbonyl N-Analogues that Discriminate between Human Glutathione Transferase A1 and P1 Allozymes. <i>Chemical Biology and Drug Design</i> , 2015, 86, 1055-1063.	3.2	15
46	Synthesis and biological evaluation of potential small molecule inhibitors of tumor necrosis factor. <i>MedChemComm</i> , 2015, 6, 1196-1209.	3.4	12
47	Two Putative Polysaccharide Deacetylases Are Required for Osmotic Stability and Cell Shape Maintenance in <i>Bacillus anthracis</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 13465-13478.	3.4	34
48	A Splicing Mutation in the Novel Mitochondrial Protein DNAJC11 Causes Motor Neuron Pathology Associated with Cristae Disorganization, and Lymphoid Abnormalities in Mice. <i>PLoS ONE</i> , 2014, 9, e104237.	2.5	42
49	Rationally Designed Less Toxic SPD304 Analogs and Preliminary Evaluation of Their TNF Inhibitory Effects. <i>Archiv Der Pharmazie</i> , 2014, 347, 798-805.	4.1	26
50	2,2-Dihydroxybenzophenones and their carbonyl N-analogues as inhibitor scaffolds for MDR-involved human glutathione transferase isoenzyme A1-1. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 3957-3970.	3.0	20
51	Purification and functional characterization of a truncated human $\alpha 4 \beta 2$ nicotinic acetylcholine receptor. <i>International Journal of Biological Macromolecules</i> , 2014, 70, 320-326.	7.5	2
52	Designer Xanthone: An Inhibitor Scaffold for MDR-Involved Human Glutathione Transferase Isoenzyme A1-1. <i>Journal of Biomolecular Screening</i> , 2013, 18, 1092-1102.	2.6	8
53	Crystal and Solution Studies of the $\alpha$ -Plus-C $\alpha$ -Odorant-binding Protein 48 from <i>Anopheles gambiae</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 33427-33438.	3.4	42
54	Implication of VEGFR2 in systemic lupus erythematosus: a combined genetic and structural biological approach. <i>Clinical and Experimental Rheumatology</i> , 2013, 31, 97-102.	0.8	9

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55	A RANKL G278R mutation causing osteopetrosis identifies a functional amino acid essential for trimer assembly in RANKL and TNF. <i>Human Molecular Genetics</i> , 2012, 21, 784-798.	2.9	55
56	Mapping the <i>Anopheles gambiae</i> Odorant Binding Protein 1 (AgamOBP1) using modeling techniques, site directed mutagenesis, circular dichroism and ligand binding assays. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 947-953.	2.3	13
57	Synthesis and Study of 2-(Pyrrolesulfonylmethyl)- <i>N</i> -arylimines: A New Class of Inhibitors for Human Glutathione Transferase A1-1. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 6802-6813.	6.4	13
58	<i>Anopheles gambiae</i> odorant binding protein crystal complex with the synthetic repellent DEET: implications for structure-based design of novel mosquito repellents. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 283-297.	5.4	89
59	Association of the PTPN22 R620W polymorphism with increased risk for SLE in the genetically homogeneous population of Crete. <i>Lupus</i> , 2011, 20, 501-506.	1.6	41
60	The role of the pro-apoptotic protein Siva in the pathogenesis of Familial Mediterranean fever: A structural and functional analysis. <i>Biochemical and Biophysical Research Communications</i> , 2010, 402, 141-146.	2.1	6
61	The <i>Anopheles gambiae</i> Odorant Binding Protein 1 (AgamOBP1) Mediates Indole Recognition in the Antennae of Female Mosquitoes. <i>PLoS ONE</i> , 2010, 5, e9471.	2.5	214
62	Design and expression of human $\alpha 7$ nicotinic acetylcholine receptor extracellular domain mutants with enhanced solubility and ligand-binding properties. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 355-366.	2.3	20
63	Quantitative Prediction of Critical Amino Acid Positions for Protein Folding. <i>Protein and Peptide Letters</i> , 2009, 16, 1342-1349.	0.9	1
64	Familial Mediterranean Fever in Crete: a genetic and structural biological approach in a population of "intermediate risk". <i>Clinical Genetics</i> , 2008, 73, 152-159.	2.0	28
65	Model of the extracellular domain of the human $\alpha 7$ nAChR based on the crystal structure of the mouse $\alpha 1$ nAChR extracellular domain. <i>Journal of Molecular Graphics and Modelling</i> , 2008, 26, 1333-1337.	2.4	9
66	Selection at 6-PGD locus in laboratory populations of <i>Bactrocera oleae</i> . <i>Genetical Research</i> , 2008, 90, 379-384.	0.9	0
67	CrystTwiv: a webserver for automated phase extension and refinement in X-ray crystallography. <i>Nucleic Acids Research</i> , 2007, 35, W718-W722.	14.5	2
68	Molecular modeling of the complex between Torpedo acetylcholine receptor and anti-MIR Fab198. <i>Biochemical and Biophysical Research Communications</i> , 2007, 356, 569-575.	2.1	6
69	Circular dichroism studies of extracellular domains of human nicotinic acetylcholine receptors provide an insight into their structure. <i>International Journal of Biological Macromolecules</i> , 2007, 41, 423-429.	7.5	9
70	Purification, crystallization, X-ray diffraction analysis and phasing of an engineered single-chain Pvull restriction endonuclease. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 836-838.	0.7	3
71	Recombinant extracellular domains of human neuronal nicotinic receptors: Preliminary studies on mutant forms for the improvement of solubility. <i>Neurophysiology</i> , 2007, 39, 259-263.	0.3	0
72	Cloning and structural characterization of the 6-phosphogluconate dehydrogenase locus of the medfly <i>Ceratitis capitata</i> and the olive fruit fly <i>Bactrocera oleae</i> . <i>Biochemical and Biophysical Research Communications</i> , 2006, 341, 721-727.	2.1	3

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73	Mutational analysis of the PRYSPRY domain of pyrin and implications for familial mediterranean fever (FMF). Biochemical and Biophysical Research Communications, 2006, 345, 1326-1332.	2.1	24
74	Isolation and characterization of stress related Heat shock protein calmodulin bindinggene from cultivated cotton (Gossypium hirsutumL.). Euphytica, 2006, 147, 343-351.	1.2	5
75	Isolation and characterization of drought-related trehalose 6-phosphate-synthase gene from cultivated cotton (Gossypium hirsutum L.). Planta, 2006, 223, 329-339.	3.2	71
76	T-cell recognition of HLA-DQ2-bound gluten peptides can be influenced by an N-terminal proline at p-1. Immunogenetics, 2005, 57, 8-15.	2.4	49
77	Universal positions in globular proteins. From observation to simulation. FEBS Journal, 2004, 271, 4762-4768.	0.2	28
78	Functional Constraints of Alcohol Dehydrogenase (ADH) of Tephritidae and Relationships with Other Dipteran Species. Journal of Molecular Evolution, 2004, 58, 493-505.	1.8	3
79	Functional Constraints of 6-Phosphogluconate Dehydrogenase (6-PGD) Based on Sequence and Structural Information. Journal of Molecular Evolution, 2004, 59, 358-371.	1.8	9
80	Analysis of fragments induced by simulated lattice protein folding. Comptes Rendus - Biologies, 2004, 327, 431-443.	0.2	7
81	Macroevolutionary relationships of species of Drosophila melanogaster group based on mtDNA sequences. Molecular Phylogenetics and Evolution, 2003, 28, 518-528.	2.7	13
82	Drosophila Cu,Zn superoxide dismutase gene confers resistance to paraquat in Escherichia coli. Biochemical and Biophysical Research Communications, 2003, 308, 433-438.	2.1	12
83	Functional Constraints of the Cu,Zn Superoxide Dismutase in Species of the Drosophila melanogaster Subgroup and Phylogenetic Analysis. Journal of Molecular Evolution, 2002, 55, 745-756.	1.8	11
84	Expression of selected drought-related genes and physiological response of Greek cotton varieties. Functional Plant Biology, 2002, 29, 1237.	2.1	28
85	Crystal structure of Fab198, an efficient protector of the acetylcholine receptor against myasthenogenic antibodies. FEBS Journal, 2001, 268, 3685-3693.	0.2	14
86	Structural analysis of two HLA-DR-presented autoantigenic epitopes: crucial role of peripheral but not central peptide residues for T-cell receptor recognition. Molecular Immunology, 2000, 37, 813-825.	2.2	14
87	Construction and characterization of a humanized single chain Fv antibody fragment against the main immunogenic region of the acetylcholine receptor. Journal of Neuroimmunology, 1999, 94, 182-195.	2.3	23
88	RGD sequences in several receptor proteins: novel cell adhesion function of receptors?. International Journal of Biological Macromolecules, 1998, 22, 51-57.	7.5	17
89	Cell size of various lactic acid bacteria as determined by scanning electron microscope and image analysis. Dairy Science and Technology, 1998, 78, 491-500.	0.9	25
90	Dye-affinity labelling of bovine heart mitochondrial malate dehydrogenase and study of the NADH-binding site. Biochemical Journal, 1996, 315, 687-693.	3.7	22

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91	Molecular modelling for the design of chimaeric biomimetic dyeâ€”ligands and their interaction with bovine heart mitochondrial malate dehydrogenase. <i>Biochemical Journal</i> , 1996, 315, 695-703.	3.7	33
92	Crustacyanin, the lobster carapace astaxanthin-protein: effects of modification of tyrosine residues of apocrustacyanin with tetranitromethane on the ability of the protein to reconstitute with astaxanthin. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1995, 110, 393-401.	1.6	1
93	Synthesis, crystal structure and biological properties of a new series of lipophilic s-triazines, dihydrofolate reductase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 1993, 28, 149-158.	5.5	18
94	Structure of a 16 kDa integral membrane protein that has identity to the putative proton channel of the vacuolar H <sup>+</sup> -ATPase. <i>Protein Engineering, Design and Selection</i> , 1992, 5, 7-15.	2.1	84
95	Multiple sequence alignment of protein families showing low sequence homology: a methodological approach using database pattern-matching discriminators for G-protein-linked receptors. <i>Gene</i> , 1991, 98, 153-159.	2.2	56
96	Complete sequence and model for the A2 subunit of the carotenoid pigment complex, crustacyanin. <i>FEBS Journal</i> , 1991, 197, 407-417.	0.2	56
97	Complete sequence and model for the A2 subunit of the carotenoid pigment complex, crustacyanin. <i>FEBS Journal</i> , 1991, 197, 413-417.	0.2	1
98	Complete sequence and model for the C1 subunit of the carotenoprotein crustacyanin, and model for the dimer, beta-crustacyanin, formed from the C1 and A2 subunits with astaxanthin. <i>FEBS Journal</i> , 1991, 202, 31-40.	0.2	39
99	Molecular modelling of integral membrane proteins. <i>Biochemical Society Transactions</i> , 1990, 18, 838-840.	3.4	7
100	Three-dimensional modelling of G protein-linked receptors. <i>Trends in Pharmacological Sciences</i> , 1990, 11, 492-499.	8.7	139
101	Complete amino acid sequence of pyrazine-binding protein from cow nasal mucosa. <i>FEBS Journal</i> , 1989, 185, 569-572.	0.2	39
102	Chapter 3 The primary structure, chemistry and molecular modelling of rhodopsin. <i>Progress in Retinal and Eye Research</i> , 1988, 7, 63-87.	0.8	15
103	Crystal structure of the trigonal form of bovine beta-lactoglobulin and of its complex with retinol at 2.5 Å... resolution. <i>Journal of Molecular Biology</i> , 1987, 197, 695-706.	4.2	348
104	The structure of mouse L1210 dihydrofolate reductase-drug complexes and the construction of a model of human enzyme. <i>FEBS Letters</i> , 1987, 218, 178-184.	2.8	88
105	The structure of Î² <sup>2</sup> -lactoglobulin and its similarity to plasma retinol-binding protein. <i>Nature</i> , 1986, 324, 383-385.	27.8	935
106	Posttranslational processing of concanavalin A precursors in jackbean cotyledons.. <i>Journal of Cell Biology</i> , 1986, 102, 1284-1297.	5.2	195
107	Structure and function of bovine Î² <sup>2</sup> -lactoglobulin. <i>Biochemical Society Transactions</i> , 1985, 13, 265-266.	3.4	89
108	A structural model for ovine rhodopsin. <i>International Journal of Biological Macromolecules</i> , 1984, 6, 73-76.	7.5	49

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109	A structural model for the chromophore-binding domain of ovine rhodopsin. International Journal of Biological Macromolecules, 1982, 4, 263-268.	7.5	77
110	Rat relaxin: insulin-like fold predicts a likely receptor binding region. International Journal of Biological Macromolecules, 1982, 4, 399-405.	7.5	21
111	Transcription factors and evolution: An integral part of gene expression (Review). World Academy of Sciences Journal, 0, , .	0.6	30
112	Ancestral cancer genes shaping evo-devo: An integrated biochemical and computational approach (Review). World Academy of Sciences Journal, 0, , .	0.6	0