

# Fred Friedman

## List of Publications by Year in descending order

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218677

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99  
docs citations

99  
times ranked

1307  
citing authors

#	ARTICLE	IF	CITATIONS
1	The human peroxisome proliferator-activated receptor ?? gene: identification and functional characterization of two natural allelic variants. <i>Pharmacogenetics and Genomics</i> , 2000, 10, 321-333.	5.7	128
2	Conformation-dependent phosphorylation of p53. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 1686-1691.	7.1	119
3	Differential Mechanisms of Cytochrome P450 Inhibition and Activation by Î±-Naphthoflavone. <i>Journal of Biological Chemistry</i> , 1997, 272, 3149-3152.	3.4	117
4	Peptides from the amino terminal mdm-2-binding domain of p53, designed from conformational analysis, are selectively cytotoxic to transformed cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 12438-12443.	7.1	89
5	The effect of cigarette smoking on 7â€œthoxyresorufin Oâ€œdeethylase and other monooxygenase activities in human liver: analyses with monoclonal antibodies.. <i>British Journal of Clinical Pharmacology</i> , 1986, 22, 125-134.	2.4	86
6	CO Binding Kinetics of Human Cytochrome P450 3A4. <i>Journal of Biological Chemistry</i> , 1995, 270, 5014-5018.	3.4	77
7	Probes of Subunit Assembly and Reconstitution Pathways in Multisubunit Proteins. <i>Annual Review of Biochemistry</i> , 1979, 48, 217-250.	11.1	71
8	Preferential induction of necrosis in human breast cancer cells by a p53 peptide derived from the MDM2 binding site. <i>Oncogene</i> , 2003, 22, 1431-1444.	5.9	70
9	Monoclonal antibody-directed radioimmunoassay detects cytochrome P-450 in human placenta and lymphocytes. <i>Science</i> , 1985, 228, 490-492.	12.6	67
10	Activation of c-Jun-NH2-Kinase by UV Irradiation Is Dependent on p21. <i>Journal of Biological Chemistry</i> , 1996, 271, 23304-23309.	3.4	61
11	Monoclonal antibodies for studies on xenobiotic and endobiotic metabolism. <i>Biochemical Pharmacology</i> , 1985, 34, 2225-2234.	4.4	60
12	Dimerization specificity of myogenic helix-loop-helix DNA-binding factors directed by nonconserved hydrophilic residues.. <i>Genes and Development</i> , 1993, 7, 2456-2470.	5.9	54
13	Drug-drug interactions: Effect of quinidine on nifedipine binding to human cytochrome P450 3A4. <i>Biochemical Pharmacology</i> , 1997, 53, 455-460.	4.4	51
14	Cytochrome P450 conformation and substrate interactions as probed by CO binding kinetics. <i>Biochimie</i> , 1996, 78, 706-713.	2.6	48
15	Monoclonal antibody-directed immunopurification and identification of cytochromes P-450. <i>Biochemical and Biophysical Research Communications</i> , 1983, 116, 859-865.	2.1	32
16	Molecular modeling of cytochrome P450 2B1: mode of membrane insertion and substrate specificity. <i>The Protein Journal</i> , 1998, 17, 121-129.	1.1	32
17	Inhibition of human cytochrome P450 1A2 by flavones: A molecular modeling study. <i>The Protein Journal</i> , 1998, 17, 643-650.	1.1	31
18	PNC-28, a p53-derived peptide that is cytotoxic to cancer cells, blocks pancreatic cancer cell growth in vivo. <i>International Journal of Cancer</i> , 2006, 119, 1577-1585.	5.1	31

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19	Stimulus-secretion coupling in platelets. Effects of drugs on secretion of adenosine 5'-triphosphate. <i>Biochemistry</i> , 1975, 14, 1315-1320.	2.5	30
20	Interaction between Cytochrome P450 2B1 and Cytochrome b5: Inhibition by Synthetic Peptides Indicates a Role for P450 Residues Lys-122 and Arg-125. <i>Biochemical and Biophysical Research Communications</i> , 1994, 201, 1090-1095.	2.1	29
21	Functional Interactions of Raf and MEK with Jun-N-Terminal Kinase (JNK) Result in a Positive Feedback Loop on the Oncogenic Ras Signaling Pathway. <i>Biochemistry</i> , 2005, 44, 10784-10795.	2.5	29
22	Identification of a glutathione-S-transferase effector domain for inhibition of jun kinase, by molecular dynamics. <i>The Protein Journal</i> , 1999, 18, 859-866.	1.1	28
23	ras-p21-Induced Cell Transformation: Unique Signal Transduction Pathways and Implications for the Design of New Chemotherapeutic Agents. <i>Cancer Investigation</i> , 2000, 18, 39-50.	1.3	28
24	Amino-terminal sequence analysis of six cytochrome P-450 isozymes purified by monoclonal antibody directed immunopurification. <i>Biochemical and Biophysical Research Communications</i> , 1984, 123, 1201-1208.	2.1	27
25	Characterization of Human Fetal Hepatic Cytochrome P-450-Associated 7-Ethoxyresorufin O-Deethylase and Aryl Hydrocarbon Hydroxylase Activities by Monoclonal Antibodies. <i>Developmental Pharmacology and Therapeutics</i> , 1987, 10, 125-132.	0.2	27
26	Induction of oocyte maturation by jun -N-terminal kinase (JNK) on the oncogenic ras -p21 pathway is dependent on the raf -MEK-MAP kinase signal transduction pathway. <i>Cancer Chemotherapy and Pharmacology</i> , 2000, 45, 441-449.	2.3	27
27	Molecular modeling of mammalian cytochrome P450s. <i>Cellular and Molecular Life Sciences</i> , 2000, 57, 487-499.	5.4	26
28	Evidence that oocyte maturation induced by an oncogenic ras-p21 protein and insulin is mediated by overlapping yet distinct mechanisms. <i>Experimental Cell Research</i> , 1992, 203, 329-335.	2.6	25
29	Selective inhibition of oncogenic ras- p21 in vivo by agents that block its interaction with jun -N-kinase (JNK) and jun proteins. Implications for the design of selective chemotherapeutic agents. <i>Cancer Chemotherapy and Pharmacology</i> , 1997, 41, 79-85.	2.3	25
30	Conformational Modulation of Human Cytochrome P450 2E1 by Ethanol and Other Substrates: A CO Flash Photolysis Study. <i>Biochemistry</i> , 2000, 39, 5731-5737.	2.5	24
31	Inhibition of oncogenic and activated wild-type ras-p21 protein-induced oocyte maturation by peptides from the ras-binding domain of the raf-p74 protein, identified from molecular dynamics calculations. <i>The Protein Journal</i> , 1997, 16, 631-635.	1.1	22
32	Structural effects of the binding of GTP to the wild-type and oncogenic forms of the ras-gene-encoded p21 proteins. <i>The Protein Journal</i> , 1995, 14, 721-730.	1.1	21
33	Studies on ethanol-inducible cytochrome P-450 in rabbit liver, lungs and kidneys. <i>Biochemical Pharmacology</i> , 1987, 36, 2689-2691.	4.4	18
34	Differences in Patterns of Activation of MAP Kinases Induced by Oncogenic ras-p21 and Insulin in Oocytes. <i>Experimental Cell Research</i> , 2001, 269, 162-169.	2.6	18
35	Acquisition of the covalent quaternary structure of an immunoglobulin G molecule. Reoxidative assembly in vitro. <i>Biochemistry</i> , 1977, 16, 2016-2025.	2.5	17
36	Preparation and Properties of Nickel Hemoglobin. <i>Hemoglobin</i> , 1984, 8, 47-60.	0.8	17

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37	Flavone Modulators of Rat Hepatic Aryl Hydrocarbon Hydroxylase. <i>Pharmacology</i> , 1985, 31, 203-207.	2.2	17
38	Specificity of the cytochrome P-450 interaction with cytochrome b5. <i>FEBS Letters</i> , 1994, 346, 241-245.	2.8	17
39	Kinetics of CO Binding to Cytochromes P450 in the Endoplasmic Reticulum. <i>Biochemistry</i> , 1994, 33, 2484-2489.	2.5	17
40	Differential effects of flavonoids on testosterone-metabolizing cytochrome P450s. <i>Life Sciences</i> , 1997, 61, PL75-PL80.	4.3	17
41	Developmental regulation of hepatic testosterone hydroxylases: Simultaneous activation and repression of constitutively expressed cytochromes P450 in senescent rats. <i>Archives of Biochemistry and Biophysics</i> , 1990, 277, 42-46.	3.0	16
42	Molecular Dynamics of the H-ras Gene-Encoded p21 Protein; Identification of Flexible Regions and Possible Effector Domains. <i>Journal of Biomolecular Structure and Dynamics</i> , 1993, 11, 443-458.	3.5	16
43	Peptides designed from molecular modeling studies of the ras-p21 protein induce phenotypic reversion of a pancreatic carcinoma cell line but have no effect on normal pancreatic acinar cell growth. <i>Cancer Chemotherapy and Pharmacology</i> , 2003, 52, 202-208.	2.3	16
44	Amino-terminal sequence and structure of monoclonal antibody-immunopurified cytochromes P 450. <i>Biochemistry</i> , 1986, 25, 2397-2402.	2.5	14
45	Molecular dynamics on complexes of ras-p21 and its inhibitor protein, rap-1A, bound to the ras-binding domain of the raf-p74 protein: identification of effector domains in the raf protein. <i>The Protein Journal</i> , 1997, 16, 619-629.	1.1	14
46	Arginine to lysine 108 substitution in recombinant CYP1A2 abolishes methoxyresorufin metabolism in lymphoblastoid cells. <i>British Journal of Pharmacology</i> , 2002, 136, 347-352.	5.4	14
47	Identification of 2-Piperidone as a Biomarker of CYP2E1 Activity Through Metabolomic Phenotyping. <i>Toxicological Sciences</i> , 2013, 135, 37-47.	3.1	14
48	Further studies of the riboflavin-binding immunoglobulin IgG. Resolution into fractions of different riboflavin content and aspects of reassembly. <i>Biochemistry</i> , 1981, 20, 2916-2921.	2.5	13
49	Mössbauer spectroscopic studies of hemoglobin and its isolated subunits. <i>Biophysical Journal</i> , 1986, 49, 1009-1015.	0.5	13
50	Assembly of Human Hemoglobin. <i>Journal of Biological Chemistry</i> , 1997, 272, 3478-3486.	3.4	13
51	Molecular dynamics analysis of the structures of ras-guanine nucleotide exchange protein (SOS) bound to wild-type and oncogenic ras-p21. Identification of effector domains of SOS. <i>The Protein Journal</i> , 1999, 18, 867-874.	1.1	13
52	Epitope-relatedness and phenotyping of hepatic cytochromes P-450 with monoclonal antibodies. <i>Biochemical Journal</i> , 1985, 231, 671-676.	3.7	12
53	Modification of $\alpha$ -Chain or $\beta$ -Chain Heme Pocket Polarity by Val(E11) $\rightarrow$ Thr Substitution Has Different Effects on the Steric, Dynamic, and Functional Properties of Human Recombinant Hemoglobin. <i>Journal of Biological Chemistry</i> , 1997, 272, 26271-26278.	3.4	12
54	Induction of rat liver microsomal and nuclear cytochrome p-450 by dietary 2-acetylaminofluorene and butylated hydroxytoluene. <i>Biochemical Pharmacology</i> , 1989, 38, 3075-3081.	4.4	11

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55	A proteolytically sensitive region common to several rat liver cytochromes P450: effect of cleavage on substrate binding. <i>Biochemistry</i> , 1992, 31, 7155-7159.	2.5	11
56	Variation in Inducibility of Cytochrome P-450c and Aryl Hydrocarbon Hydroxylase in Rat Liver, Lung, Kidney, Pancreas and Nasopharynx. <i>Pharmacology</i> , 1990, 41, 256-262.	2.2	10
57	A fluorescence study the interactions of benzo[a]pyrene, cytochrome P450c and NADPH-cytochrome P450 reductase. <i>Biochemical Pharmacology</i> , 1991, 42, 97-101.	4.4	10
58	Interaction of Polycyclic Aromatic Hydrocarbons and Flavones with Cytochromes P450 in the Endoplasmic Reticulum: Effect on CO Binding Kinetics. <i>Biochemistry</i> , 1995, 34, 1942-1947.	2.5	10
59	Identification of the site of inhibition of oncogenic ras-p21-induced signal transduction by a peptide from a ras effector domain. <i>The Protein Journal</i> , 1999, 18, 881-884.	1.1	10
60	Inhibition of oncogenic and activated wild-type ras-p21 protein-induced oocyte maturation by peptides from the guanine-nucleotide exchange protein, SOS, identified from molecular dynamics calculations. Selective inhibition of oncogenic ras-p21. <i>The Protein Journal</i> , 1999, 18, 875-879.	1.1	10
61	Synthetic peptide mimics of a predicted topographical interaction surface: the cytochrome P450 2B1 recognition domain for NADPH-cytochrome P450 reductase. <i>The Protein Journal</i> , 2000, 19, 23-32.	1.1	10
62	Further studies on the riboflavin-binding immunoglobulin IgG <sub>Ar</sub> . Equilibrium and kinetic aspects of the interaction. <i>Biochemistry</i> , 1981, 20, 2922-2926.	2.5	9
63	Modulation of Rat Hepatic Aryl Hydrocarbon Hydroxylase by Various Flavones and Polycyclic Aromatic Hydrocarbons. <i>Pharmacology</i> , 1985, 31, 194-202.	2.2	9
64	Modulation of Human T-Lymphocyte Plasma Membrane Ca <sup>+2</sup> Permeability by Imidazole Antimycotics. <i>Immunopharmacology and Immunotoxicology</i> , 1996, 18, 237-245.	2.4	9
65	An improved method for the preparation of renaturable apohemoglobin chains. <i>Analytical Biochemistry</i> , 1981, 117, 103-107.	2.4	8
66	Human Liver Cytochrome P-450 Related to a Rat Acetone-Inducible, Nitrosamine-Metabolizing Cytochrome P-450: Identification and Isolation. <i>Pharmacology</i> , 1989, 39, 137-144.	2.2	8
67	Synthetic peptide antigens elicit monoclonal and polyclonal antibodies to cytochrome P450 IA2. <i>Biochemical and Biophysical Research Communications</i> , 1990, 169, 171-176.	2.1	8
68	Heme Pocket Disorder in Myoglobin: Reversal by Acid-Induced Soft Refolding. <i>Biochemistry</i> , 2001, 40, 11841-11850.	2.5	8
69	Identification of the site of inhibition of mitogenic signaling by oncogenic ras-p21 by a ras effector peptide. <i>The Protein Journal</i> , 2002, 21, 367-370.	1.1	8
70	The Solubility of Hemoglobins A and S Reconstituted with Various Metalloporphyrins. <i>Hemoglobin</i> , 1982, 6, 15-25.	0.8	7
71	Specificity of Medicarpin and Related Isoflavonoids in Inhibition of Rat Hepatic Mixed Function Oxidase Activity. <i>Pharmacology</i> , 1985, 31, 289-293.	2.2	7
72	Activated Conformations of the <i>ras</i> -gene-Encoded p21 Protein. 1. An Energy-Refined Structure for the Normal p21 Protein Complexed with GDP. <i>Journal of Biomolecular Structure and Dynamics</i> , 1992, 9, 1025-1044.	3.5	7

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73	Interaction of Polycyclic Aromatic Hydrocarbons with Human Cytochrome P450 1A1: A CO Flash Photolysis Study. Archives of Biochemistry and Biophysics, 1996, 336, 261-267.	3.0	7
74	Differential Interaction of Erythromycin with Cytochromes P450 3A1/2 in the Endoplasmic Reticulum: A CO Flash Photolysis Study. Biochemistry, 1997, 36, 3237-3241.	2.5	7
75	Comparison of the average structures, from molecular dynamics, of complexes of GTPase activating protein (GAP) with oncogenic and wild-type ras-p21: identification of potential effector domains. The Protein Journal, 2002, 21, 349-359.	1.1	7
76	Catalytic activity of cytochromes P-450 purified by monoclonal antibody-directed immunopurification. Biochemical Pharmacology, 1985, 34, 2051-2054.	4.4	6
77	A Flash Photolysis Instrument With Digital Smoothing of Data Using a Fast Fourier Transform. Instrumentation Science and Technology, 1992, 20, 213-221.	1.8	6
78	Inhibition of ras-induced oocyte maturation by peptides from ras-p21 and GTPase activating protein (GAP) identified as being effector domains from molecular dynamics calculations. The Protein Journal, 2002, 21, 361-366.	1.1	6
79	Monoclonal antibody directed isolation and amino-terminal sequence analysis of phenobarbital induced rat liver cytochromes P-450. Biochemical and Biophysical Research Communications, 1985, 129, 926-933.	2.1	5
80	An Effector Peptide from Glutathione-S-Transferase-pi Strongly and Selectively Blocks Mitotic Signaling by Oncogenic ras-p21. Protein Journal, 2004, 23, 235-238.	1.6	5
81	Rapid Conformational Dynamics of Cytochrome P450 2E1 in a Natural Biological Membrane Environment. Biochemistry, 2006, 45, 15617-15623.	2.5	5
82	Two peptides derived from ras-p21 induce either phenotypic reversion or tumor cell necrosis of ras-transformed human cancer cells. Cancer Chemotherapy and Pharmacology, 2008, 62, 491-498.	2.3	5
83	Molecular modeling of mammalian cytochrome P450s. Frontiers in Bioscience - Landmark, 2004, 9, 2796.	3.0	4
84	The dual-specificity kinases, TOPK and DYRK1A, are critical for oocyte maturation induced by wild-type-but not by oncogenic- ras-p21 protein. Frontiers in Bioscience - Landmark, 2007, 12, 5089.	3.0	4
85	Preparation of catalytically active cytochromes P-450 by antigen exchange on monoclonal antibody based immunoadsorbents. Biochemistry, 1985, 24, 7044-7048.	2.5	3
86	Age-related changes in the iron spin state of testosterone-binding rat liver microsomal cytochromes P-450. Biochemical and Biophysical Research Communications, 1989, 158, 480-484.	2.1	3
87	Cytochrome P 450-benzphetamine interactions in the endoplasmic reticulum: studies using a monoclonal antibody to P 450b. Biochemistry, 1992, 31, 8862-8867.	2.5	3
88	The effect of dilauroyl-l-3-phosphatidylcholine on the interaction between cytochromeP-450 1A1 and benzo[a]pyrene. FEBS Letters, 1992, 309, 249-252.	2.8	3
89	Activated Conformations of the ras-Gene-Encoded p21 Protein. 2. Comparison of the Computed and High-Resolution X-ray Crystallographic Structures of Gly-12 p21. Journal of Biomolecular Structure and Dynamics, 1993, 10, 905-918.	3.5	3
90	Identification, using molecular dynamics, of an effector domain of the ras-binding domain of the raf-p74 protein that is uniquely involved in oncogenic ras-p21 signaling. The Protein Journal, 2000, 19, 545-551.	1.1	3

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91	Comparison of Molecular Dynamics Averaged Structures for Complexes of Normal and Oncogenic ras-p21 with SOS Nucleotide Exchange Protein, Containing Computed Conformations for Three Crystallographically Undefined Domains, Suggests a Potential Role of These Domains in ras Signaling. Protein Journal, 2004, 23, 217-228.	1.6	3
92	Loop Domain Peptides from the SOS ras-Guanine Nucleotide Exchange Protein, Identified from Molecular Dynamics Calculations, Strongly Inhibit ras Signaling. Protein Journal, 2004, 23, 229-234.	1.6	3
93	THE APPLICATION OF MONOCLONAL ANTIBODIES FOR STUDIES ON CYTOCHROME P450. Drug Metabolism and Drug Interactions, 1985, 5, 159-192.	0.3	2
94	Prevention of 2-acetylaminofluorene-induced loss of nuclear envelope cytochrome P450 by the simultaneous administration of 3-methylcholanthrene. Biochemical Pharmacology, 1991, 41, 1331-1334.	4.4	2
95	Plasmid expression of a peptide that selectively blocks oncogenic ras -p21-induced oocyte maturation. Cancer Chemotherapy and Pharmacology, 2001, 48, 9-14.	2.3	2
96	The effect of cupric ion on the reoxidation pathway of an IgG1 immunoglobulin. Biochemical and Biophysical Research Communications, 1982, 109, 174-179.	2.1	1
97	Monoclonal antibodies to cytochrome P-450 immunopurify a 45-kDa protein from a human lymphoblastoid cell line. FEBS Letters, 1985, 185, 67-70.	2.8	1
98	Correlation of the conformation of a modified ribonuclease octapeptide, homologous to peptide T, with its ability to induce CD4-dependent monocyte chemotaxis. The Protein Journal, 1992, 11, 475-481.	1.1	1
99	Phenotyping Cytochromes P450 with Monoclonal Antibodies. Toxicologic Pathology, 1984, 12, 155-161.	1.8	0