

Yannis D Clonis

List of Publications by Year in descending order

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71
papers

2,420
citations

201385

27
h-index

214527

47
g-index

72
all docs

72
docs citations

72
times ranked

1244
citing authors

#	ARTICLE	IF	CITATIONS
1	Affinity chromatography matures as bioinformatic and combinatorial tools develop. <i>Journal of Chromatography A</i> , 2006, 1101, 1-24.	1.8	124
2	A portable fiber-optic pesticide biosensor based on immobilized cholinesterase and sol-gel entrapped bromocresol purple for in-field use. <i>Biosensors and Bioelectronics</i> , 2002, 17, 61-69.	5.3	123
3	Development of transgenic tobacco plants overexpressing maize glutathione S-transferase I for chloroacetanilide herbicides phytoremediation. <i>New Biotechnology</i> , 2005, 22, 121-128.	2.7	118
4	The affinity technology in downstream processing. <i>Journal of Biotechnology</i> , 1994, 36, 95-119.	1.9	117
5	Biomimetic dyes as affinity chromatography tools in enzyme purification. <i>Journal of Chromatography A</i> , 2000, 891, 33-44.	1.8	116
6	Process scale high-performance liquid affinity chromatography. <i>Journal of Chromatography A</i> , 1986, 363, 1-30.	1.8	104
7	Design and application of bio-mimetic dyes in biotechnology. <i>Biomedical Applications</i> , 1986, 376, 121-130.	1.7	96
8	Triazine dyes, a new class of affinity labels for nucleotide-dependent enzymes. <i>Biochemical Journal</i> , 1980, 191, 247-251.	1.7	89
9	Oxalate Oxidase from Barley Roots: Purification to Homogeneity and Study of Some Molecular, Catalytic, and Binding Properties. <i>Archives of Biochemistry and Biophysics</i> , 1997, 340, 239-249.	1.4	74
10	Biomimetic-dye affinity adsorbents for enzyme purification: Application to the one-step purification of <i>Candida boidinii</i> formate dehydrogenase. <i>Biotechnology and Bioengineering</i> , 1995, 48, 278-288.	1.7	72
11	Functional and structural roles of the glutathione-binding residues in maize (<i>Zea mays</i>) glutathione S-transferase I. <i>Biochemical Journal</i> , 2001, 358, 101-110.	1.7	72
12	Large-Scale Affinity Chromatography. <i>Nature Biotechnology</i> , 1987, 5, 1290-1293.	9.4	69
13	The interaction of yeast hexokinase with Procion Green H-4G. <i>Biochemical Journal</i> , 1981, 197, 203-211.	1.7	65
14	Affinity chromatography on immobilised triazine dyes. Studies on the interaction with multinucleotide-dependent enzymes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1981, 659, 86-98.	1.4	61
15	Novel fiber-optic biosensor based on immobilized glutathione S-transferase and sol-gel entrapped bromocresol green for the determination of atrazine. <i>Analytica Chimica Acta</i> , 2002, 460, 151-161.	2.6	51
16	Novel cationic triazine dyes for protein purification. <i>Biotechnology and Bioengineering</i> , 1987, 30, 621-627.	1.7	50
17	The Applications of Reactive Dyes in Enzyme and Protein Downstream Processing. <i>Critical Reviews in Biotechnology</i> , 1988, 7, 263-279.	5.1	45
18	Molecular modeling for the design of a biomimetic chimeric ligand. Application to the purification of bovine heart L-lactate dehydrogenase. , 1999, 63, 322-332.		45

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19	The Interaction of <i>Candida boidinii</i> Formate Dehydrogenase with a New Family of Chimeric Biomimetic Dye-Ligands. <i>Archives of Biochemistry and Biophysics</i> , 1995, 316, 169-178.	1.4	44
20	Functional and structural roles of the glutathione-binding residues in maize (<i>Zea mays</i>) glutathione S-transferase I. <i>Biochemical Journal</i> , 2001, 358, 101.	1.7	43
21	Biomimetic dye affinity chromatography for the purification of bovine heart lactate dehydrogenase. <i>Journal of Chromatography A</i> , 1995, 718, 35-44.	1.8	38
22	Lock-and-key motif as a concept for designing affinity adsorbents for protein purification. <i>Journal of Chromatography A</i> , 2006, 1128, 138-151.	1.8	36
23	Sulphonamide-based bombesin prodrug analogues for glutathione transferase, useful in targeted cancer chemotherapy. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 2009-2016.	2.6	35
24	Molecular modelling for the design of chimaeric biomimetic dye ligands and their interaction with bovine heart mitochondrial malate dehydrogenase. <i>Biochemical Journal</i> , 1996, 315, 695-703.	1.7	33
25	The Interaction of the Chemotherapeutic Drug Chlorambucil with Human Glutathione Transferase A1-1: Kinetic and Structural Analysis. <i>PLoS ONE</i> , 2013, 8, e56337.	1.1	30
26	L-Malate Dehydrogenase from <i>Pseudomonas stutzeri</i> : Purification and Characterization. <i>Archives of Biochemistry and Biophysics</i> , 1997, 337, 103-114.	1.4	29
27	Characterization of the NAD ⁺ binding site of <i>Candida boidinii</i> formate dehydrogenase by affinity labelling and site-directed mutagenesis. <i>FEBS Journal</i> , 2000, 267, 6657-6664.	0.2	28
28	New family of glutathionyl-biomimetic ligands for affinity chromatography of glutathione-recognising enzymes. <i>Journal of Chromatography A</i> , 2001, 917, 29-42.	1.8	28
29	Matrix evaluation for preparative high-performance affinity chromatography. <i>Journal of Chromatography A</i> , 1987, 407, 179-187.	1.8	27
30	Biomimetic-dye affinity chromatography for the purification of mitochondrial l-malate dehydrogenase from bovine heart. <i>Journal of Biotechnology</i> , 1996, 45, 185-194.	1.9	27
31	The conserved Asn49 of maize glutathione S-transferase I modulates substrate binding, catalysis and intersubunit communication. <i>FEBS Journal</i> , 2001, 268, 3950-3957.	0.2	26
32	Chemical Modification of Barley Root Oxalate Oxidase Shows the Presence of a Lysine, a Carboxylate, and Disulfides, Essential for Enzyme Activity. <i>Archives of Biochemistry and Biophysics</i> , 1998, 356, 117-126.	1.4	25
33	Affinity chromatography on immobilized triazine dyes. <i>Journal of Chromatography A</i> , 1982, 236, 69-80.	1.8	23
34	Engineering the xenobiotic substrate specificity of maize glutathione S-transferase I. <i>Protein Engineering, Design and Selection</i> , 2004, 17, 741-748.	1.0	23
35	Dye-affinity labelling of bovine heart mitochondrial malate dehydrogenase and study of the NADH-binding site. <i>Biochemical Journal</i> , 1996, 315, 687-693.	1.7	22
36	Preparative affinity precipitation of L-lactate dehydrogenase. <i>Journal of Biotechnology</i> , 1989, 11, 267-274.	1.9	21

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37	Kinetic analysis of maize glutathione S-transferase I catalysing the detoxification from chloroacetanilide herbicides. <i>Planta</i> , 2005, 222, 91-97.	1.6	21
38	High-performance liquid chromatography for the purification of restriction endonucleases, application to BanII, SacI, and SphI. <i>Analytical Biochemistry</i> , 1987, 160, 127-134.	1.1	20
39	Engineering the pH-dependence of kinetic parameters of maize glutathione S-transferase I by site-directed mutagenesis. <i>New Biotechnology</i> , 2004, 21, 61-66.	2.7	20
40	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.	1.4	20
41	Monosized adsorbents for high-performance affinity chromatography. <i>Journal of Chromatography A</i> , 1991, 540, 103-111.	1.8	19
42	Oxaloacetate Decarboxylase from <i>Pseudomonas stutzeri</i> : Purification and Characterization. <i>Archives of Biochemistry and Biophysics</i> , 1999, 365, 17-24.	1.4	19
43	Simultaneous separation and purification of pyruvate kinase and lactate dehydrogenase by dye-ligand chromatography. <i>Process Biochemistry</i> , 1993, 28, 179-185.	1.8	18
44	Interaction of l-glutamate oxidase with triazine dyes: selection of ligands for affinity chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 807, 277-285.	1.2	18
45	One-step purification of Taq DNA polymerase using nucleotide-mimetic affinity chromatography. <i>Biotechnology Journal</i> , 2007, 2, 121-132.	1.8	16
46	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.	1.5	16
47	Affinity Chromatography on Immobilised Nucleotides. The Synthesis, Specificity and Applications of Immobilised Inosine 5'-Monophosphate. <i>FEBS Journal</i> , 1980, 110, 279-288.	0.2	15
48	Oxaloacetate Decarboxylase: On the Mode of Interaction with Substrate-Mimetic Affinity Ligands. <i>Archives of Biochemistry and Biophysics</i> , 1995, 321, 61-70.	1.4	15
49	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.	1.5	15
50	Nucleotide-mimetic synthetic ligands for DNA-recognizing enzymes. <i>Journal of Chromatography A</i> , 2006, 1122, 63-75.	1.8	14
51	Synthesis and Study of 2-(Pyrrolo-sulfonylmethyl)-N-arylimines: A New Class of Inhibitors for Human Glutathione Transferase A1-1. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 6802-6813.	2.9	13
52	Dye-ligand chromatography for the resolution and purification of restriction endonucleases. <i>Applied Biochemistry and Biotechnology</i> , 1987, 15, 201-212.	1.4	12
53	Colorimetric Assay for Lecithin Using Two Co-immobilized Enzymes and an Indicator Dye Conjugate. <i>Journal of Agricultural and Food Chemistry</i> , 1998, 46, 3389-3394.	2.4	12
54	Downstream processing of diagnostic enzymes: Optimised protocols for the simultaneous separation and purification of lactate dehydrogenase and pyruvate kinase from rabbit muscle. <i>Bioprocess and Biosystems Engineering</i> , 1992, 7, 213-218.	0.5	11

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55	Biomimetic dye-ligands for oxalate-recognizing enzymes. Studies with oxalate oxidase and oxalate decarboxylase. <i>Journal of Biotechnology</i> , 1995, 40, 59-70.	1.9	11
56	Design and study of peptide-ligand affinity chromatography adsorbents: Application to the case of trypsin purification from bovine pancreas. , 1997, 53, 49-57.		11
57	Galactosyl-mimodye ligands for <i>Pseudomonas fluorescens</i> β -galactose dehydrogenase. <i>FEBS Journal</i> , 2002, 269, 5391-5405.	0.2	11
58	Growth of <i>Candida boidinii</i> in a methanol-limited continuous culture and the formation of methanol-degrading enzymes. <i>Journal of Biotechnology</i> , 1999, 72, 127-139.	1.9	8
59	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
60	Biochemical differences between products of the ADH locus in olive fruit fly (<i>Bactrocera oleae</i>). <i>Biochemical Genetics</i> , 1998, 36, 259-269.	0.8	7
61	Simultaneous purification of L-malate dehydrogenase and L-lactate dehydrogenase from bovine heart by biomimetic-dye affinity chromatography. <i>Bioprocess and Biosystems Engineering</i> , 1997, 16, 157.	0.5	6
62	Galactosyl-biomimetic dye-ligands for the purification of <i>Dactylium dendroides</i> galactose oxidase. <i>Journal of Chromatography A</i> , 2002, 954, 137-150.	1.8	6
63	Designed chimaeric galactosylâ€mimodye ligands for the purification of <i>Pseudomonas fluorescens</i> β -galactose dehydrogenase. <i>Journal of Chromatography A</i> , 2004, 1029, 103-112.	1.8	6
64	Glutathione analogues as substrates or inhibitors that discriminate between allozymes of the MDRâ€involved human glutathione transferase P1â€1. <i>Biopolymers</i> , 2016, 106, 330-344.	1.2	6
65	Purification of the glycoprotein allergen Ag7 from mugwort pollen by concanavalin A affinity chromatography. <i>Journal of Biotechnology</i> , 1990, 16, 305-316.	1.9	5
66	Purification of Alcohol Dehydrogenase from Four Genotypes of the Olive Fruit Fly <i>Bactrocera</i> (<i>Dacus</i>) <i>oleae</i> . <i>Biotechnology Progress</i> , 1998, 14, 294-299.	1.3	5
67	Affinity chromatography on immobilised nucleotides. Studies on the interaction of <i>E. coli</i> IMP dehydrogenase with immobilised nucleotides. <i>Journal of Molecular Catalysis</i> , 1982, 16, 1-9.	1.2	2
68	Purification of M-MLVH- RT on a 9-Aminoethyladenine-(1,6-diamine-hexane)-triazine Selected from a Combinatorial Library of dNTP-Mimetic Ligands. <i>Journal of Chromatographic Science</i> , 2010, 48, 496-502.	0.7	2
69	High-Performance Affinity Chromatography for Protein Separation and Purification. , 1992, 11, 105-124.		1
70	Optoelectronic determination of the herbicide alachlor using recombinant glutathione S-transferase. <i>Journal of Biotechnology</i> , 2007, 131, S128.	1.9	1
71	Adenosine reagentâ€free detection by coâ€immobilization of adenosine deaminase and phenol red on an optical biostrip. <i>Biotechnology Journal</i> , 2015, 10, 136-142.	1.8	1