## Yannis D Clonis

List of Publications by Year in descending order

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| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Affinity chromatography matures as bioinformatic and combinatorial tools develop. Journal of Chromatography A, 2006, 1101, 1-24.  | 3.7  | 124       |
| 2  | A portable fiber-optic pesticide biosensor based on immobilized cholinesterase and sol–gel entrapped bromcresol purple for in-field use. Biosensors and Bioelectronics, 2002, 17, 61-69.            | 10.1 | 123       |
| 3  | Development of transgenic tobacco plants overexpressing maize glutathione S-transferase I for chloroacetanilide herbicides phytoremediation. New Biotechnology, 2005, 22, 121-128.                  | 2.7  | 118       |
| 4  | The affinity technology in downstream processing. Journal of Biotechnology, 1994, 36, 95-119.   | 3.8  | 117       |
| 5  | Biomimetic dyes as affinity chromatography tools in enzyme purification. Journal of Chromatography<br>A, 2000, 891, 33-44.  | 3.7  | 116       |
| 6  | Process scale high-performance liquid affinity chromatography. Journal of Chromatography A, 1986,<br>363, 1-30.   | 3.7  | 104       |
| 7  | Design and application of bio-mimetic dyes in biotechnology. Biomedical Applications, 1986, 376, 121-130.   | 1.7  | 96        |
| 8  | Triazine dyes, a new class of affinity labels for nucleotide-dependent enzymes. Biochemical Journal,<br>1980, 191, 247-251.   | 3.7  | 89        |
| 9  | Oxalate Oxidase from Barley Roots: Purification to Homogeneity and Study of Some Molecular,<br>Catalytic, and Binding Properties. Archives of Biochemistry and Biophysics, 1997, 340, 239-249.      | 3.0  | 74        |
| 10 | Biomimetic-dye affinity adsorbents for enzyme purification: Application to the one-step purification ofCandida boidinii formate dehydrogenase. Biotechnology and Bioengineering, 1995, 48, 278-288. | 3.3  | 72        |
| 11 | Functional and structural roles of the glutathione-binding residues in maize (Zea mays) glutathione<br>S-transferase I. Biochemical Journal, 2001, 358, 101-110.                                    | 3.7  | 72        |
| 12 | Large-Scale Affinity Chromatography. Nature Biotechnology, 1987, 5, 1290-1293.  | 17.5 | 69        |
| 13 | The interaction of yeast hexokinase with Procion Green H-4G. Biochemical Journal, 1981, 197, 203-211.   | 3.7  | 65        |
| 14 | Affinity chromatography on immobilised triazine dyes. Studies on the interaction with<br>multinucleotide-dependent enzymes. Biochimica Et Biophysica Acta - Biomembranes, 1981, 659, 86-98.         | 2.6  | 61        |
| 15 | Novel fiber-optic biosensor based on immobilized glutathione S-transferase and sol–gel entrapped<br>bromcresol green for the determination of atrazine. Analytica Chimica Acta, 2002, 460, 151-161. | 5.4  | 51        |
| 16 | Novel cationic triazine dyes for protein purification. Biotechnology and Bioengineering, 1987, 30, 621-627.   | 3.3  | 50        |
| 17 | The Applications of Reactive Dyes in Enzyme and Protein Downstream Processing. Critical Reviews in Biotechnology, 1988, 7, 263-279.   | 9.0  | 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 Candida boidinii Formate Dehydrogenase with a New Family of Chimeric Biomimetic Dye-Ligands. Archives of Biochemistry and Biophysics, 1995, 316, 169-178.                                    | 3.0 | 44        |
| 20 | Functional and structural roles of the glutathione-binding residues in maize (Zea mays) glutathione<br>S-transferase I. Biochemical Journal, 2001, 358, 101.  | 3.7 | 43        |
| 21 | Biomimetic dye affinity chromatography for the purification of bovine heart lactate dehydrogenase.<br>Journal of Chromatography A, 1995, 718, 35-44.  | 3.7 | 38        |
| 22 | Lock-and-key motif as a concept for designing affinity adsorbents for protein purification. Journal of<br>Chromatography A, 2006, 1128, 138-151.  | 3.7 | 36        |
| 23 | Sulphonamide-based bombesin prodrug analogues for glutathione transferase, useful in targeted cancer chemotherapy. European Journal of Medicinal Chemistry, 2009, 44, 2009-2016.                                | 5.5 | 35        |
| 24 | Molecular modelling for the design of chimaeric biomimetic dye—ligands and their interaction with<br>bovine heart mitochondrial malate dehydrogenase. Biochemical Journal, 1996, 315, 695-703.                  | 3.7 | 33        |
| 25 | The Interaction of the Chemotherapeutic Drug Chlorambucil with Human Glutathione Transferase A1-1: Kinetic and Structural Analysis. PLoS ONE, 2013, 8, e56337.  | 2.5 | 30        |
| 26 | L-Malate Dehydrogenase fromPseudomonas stutzeri:Purification and Characterization. Archives of<br>Biochemistry and Biophysics, 1997, 337, 103-114.  | 3.0 | 29        |
| 27 | Characterization of the NAD+ binding site of Candida boidinii formate dehydrogenase by affinity<br>labelling and site-directed mutagenesis. FEBS Journal, 2000, 267, 6657-6664.                                 | 0.2 | 28        |
| 28 | New family of glutathionyl-biomimetic ligands for affinity chromatography of glutathione-recognising enzymes. Journal of Chromatography A, 2001, 917, 29-42.  | 3.7 | 28        |
| 29 | Matrix evaluation for preparative high-performance affinity chromatography. Journal of<br>Chromatography A, 1987, 407, 179-187.   | 3.7 | 27        |
| 30 | Biomimetic-dye affinity chromatography for the purification of mitochondrial l-malate dehydrogenase<br>from bovine heart. Journal of Biotechnology, 1996, 45, 185-194.  | 3.8 | 27        |
| 31 | The conserved Asn49 of maize glutathioneS-transferase I modulates substrate binding, catalysis and intersubunit communication. FEBS Journal, 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. Archives of Biochemistry and Biophysics, 1998, 356, 117-126. | 3.0 | 25        |
| 33 | Affinity chromatography on immobilized triazine dyes. Journal of Chromatography A, 1982, 236, 69-80.  | 3.7 | 23        |
| 34 | Engineering the xenobiotic substrate specificity of maize glutathione S-transferase I. Protein<br>Engineering, Design and Selection, 2004, 17, 741-748.   | 2.1 | 23        |
| 35 | 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        |
| 36 | Preparative affinity precipitation of L-lactate dehydrogenase. Journal of Biotechnology, 1989, 11, 267-274.   | 3.8 | 21        |

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|----|---|-----|-----------|
| 37 | Kinetic analysis of maize glutathione S-transferase I catalysing the detoxification from chloroacetanilide herbicides. Planta, 2005, 222, 91-97.  | 3.2 | 21        |
| 38 | High-performance liquid chromatography for the purification of restriction endonucleases, application to Banll, Sacl, and Sphl. Analytical Biochemistry, 1987, 160, 127-134.  | 2.4 | 20        |
| 39 | Engineering the pH-dependence of kinetic parameters of maize glutathione S-transferase I by site-directed mutagenesis. New Biotechnology, 2004, 21, 61-66.  | 2.7 | 20        |
| 40 | 2,2′-Dihydroxybenzophenones and their carbonyl N-analogues as inhibitor scaffolds for MDR-involved<br>human glutathione transferase isoenzyme A1-1. Bioorganic and Medicinal Chemistry, 2014, 22, 3957-3970.  | 3.0 | 20        |
| 41 | Monosized adsorbents for high-performance affinity chromatography. Journal of Chromatography A,<br>1991, 540, 103-111.  | 3.7 | 19        |
| 42 | Oxaloacetate Decarboxylase fromPseudomonas stutzeri:Purification and Characterization. Archives of Biochemistry and Biophysics, 1999, 365, 17-24.   | 3.0 | 19        |
| 43 | Simultaneous separation and purification of pyruvate kinase and lactate dehydrogenase by dye-ligand chromatography. Process Biochemistry, 1993, 28, 179-185.  | 3.7 | 18        |
| 44 | Interaction of l-glutamate oxidase with triazine dyes: selection of ligands for affinity<br>chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life<br>Sciences, 2004, 807, 277-285.  | 2.3 | 18        |
| 45 | One-step purification of Taq DNA polymerase using nucleotide-mimetic affinity chromatography.<br>Biotechnology Journal, 2007, 2, 121-132.   | 3.5 | 16        |
| 46 | Concluding the trilogy: The interaction of 2,2′â€dihydroxyâ€benzophenones and their carbonyl<br>Nâ€analogues with human glutathione transferase M1â€1 face to face with the P1â€1 and A1â€1 isoenzymes<br>involved in MDR. Chemical Biology and Drug Design, 2017, 90, 900-908. | 3.2 | 16        |
| 47 | Affinity Chromatography on Immobilised Nucleotides. The Synthesis, Specificity and Applications of<br>Immobilised Inosine 5'-Monophosphate. FEBS Journal, 1980, 110, 279-288.   | 0.2 | 15        |
| 48 | Oxaloacetate Decarboxylase: On the Mode of Interaction with Substrate-Mimetic Affinity Ligands.<br>Archives of Biochemistry and Biophysics, 1995, 321, 61-70.   | 3.0 | 15        |
| 49 | Isoenzyme―and Allozymeâ€Specific Inhibitors: 2,2′â€Dihydroxybenzophenones and Their Carbonyl<br>Nâ€Analogues that Discriminate between Human Glutathione Transferase A1â€1 and P1â€1 Allozymes.<br>Chemical Biology and Drug Design, 2015, 86, 1055-1063.                       | 3.2 | 15        |
| 50 | Nucleotide-mimetic synthetic ligands for DNA-recognizing enzymes. Journal of Chromatography A, 2006, 1122, 63-75.   | 3.7 | 14        |
| 51 | Synthesis and Study of 2-(Pyrrolesulfonylmethyl)- <i>N</i> -arylimines: A New Class of Inhibitors for<br>Human Glutathione Transferase A1-1. Journal of Medicinal Chemistry, 2012, 55, 6802-6813.   | 6.4 | 13        |
| 52 | Dye-ligand chromatography for the resolution and purification of restriction endonucleases. Applied<br>Biochemistry and Biotechnology, 1987, 15, 201-212.   | 2.9 | 12        |
| 53 | Colorimetric Assay for Lecithin Using Two Co-immobilized Enzymes and an Indicator Dye Conjugate.<br>Journal of Agricultural and Food Chemistry, 1998, 46, 3389-3394.  | 5.2 | 12        |
| 54 | Downstream processing of diagnostic enzymes: Optimised protocols for the simultaneous separation and purification of lactate dehydrogenase and pyruvate kinase from rabbit muscle. Bioprocess and Biosystems Engineering, 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. Journal of Biotechnology, 1995, 40, 59-70.   | 3.8 | 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 Pseudomonas fluorescens β-galactose dehydrogenase. FEBS Journal,<br>2002, 269, 5391-5405.   | 0.2 | 11        |
| 58 | Growth of Candida boidinii in a methanol-limited continuous culture and the formation of methanol-degrading enzymes. Journal of Biotechnology, 1999, 72, 127-139.  | 3.8 | 8         |
| 59 | Designer Xanthone: An Inhibitor Scaffold for MDR-Involved Human Glutathione Transferase Isoenzyme<br>A1-1. Journal of Biomolecular Screening, 2013, 18, 1092-1102.   | 2.6 | 8         |
| 60 | Biochemical differences between products of the ADH locus in olive fruit fly (Bactrocera oleae).<br>Biochemical Genetics, 1998, 36, 259-269.   | 1.7 | 7         |
| 61 | Simultaneous purification of L-malate dehydrogenase and L-lactate dehydrogenase from bovine heart<br>by biomimetic-dye affinity chromatography. Bioprocess and Biosystems Engineering, 1997, 16, 157.      | 0.5 | 6         |
| 62 | Galactosyl-biomimetic dye-ligands for the purification of Dactylium dendroides galactose oxidase.<br>Journal of Chromatography A, 2002, 954, 137-150.  | 3.7 | 6         |
| 63 | Designed chimaeric galactosyl–mimodye ligands for the purification of Pseudomonas fluorescens<br>β-galactose dehydrogenase. Journal of Chromatography A, 2004, 1029, 103-112.                              | 3.7 | 6         |
| 64 | Glutathione analogues as substrates or inhibitors that discriminate between allozymes of the<br>MDRâ€involved human glutathione transferase P1â€1. Biopolymers, 2016, 106, 330-344.                        | 2.4 | 6         |
| 65 | Purification of the glycoprotein allergen Ag7 from mugwort pollen by concanavalin A affinity chromatography. Journal of Biotechnology, 1990, 16, 305-316.  | 3.8 | 5         |
| 66 | Purification of Alcohol Dehydrogenase from Four Genotypes of the Olive Fruit Fly Bactrocera<br>(Dacus) oleae. Biotechnology Progress, 1998, 14, 294-299.   | 2.6 | 5         |
| 67 | Affinity chromatography on immobilised nucleotides. Studies on the interaction of E. coli IMP dehydrogenese with immobilised nucleotides. Journal of Molecular Catalysis, 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<br>Combinatorial Library of dNTP-Mimetic Ligands. Journal of Chromatographic Science, 2010, 48, 496-502. | 1.4 | 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<br>S-transferase. Journal of Biotechnology, 2007, 131, S128.  | 3.8 | 1         |
| 71 | Adenosine reagentâ€free detection by coâ€immobilization of adenosine deaminase and phenol red on an optical biostrip. Biotechnology Journal, 2015, 10, 136-142.  | 3.5 | 1         |