

Alexey V Kuzikov

List of Publications by Year in descending order

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papers

568
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#	ARTICLE	IF	CITATIONS
1	Electrosynthesis and binding properties of molecularly imprinted poly-o-phenylenediamine for selective recognition and direct electrochemical detection of myoglobin. <i>Biosensors and Bioelectronics</i> , 2016, 86, 330-336.	10.1	79
2	From electrochemistry to enzyme kinetics of cytochrome P450. <i>Biosensors and Bioelectronics</i> , 2018, 121, 192-204.	10.1	63
3	Impedimetric immunosensor for detection of cardiovascular disorder risk biomarker. <i>Materials Science and Engineering C</i> , 2016, 68, 52-58.	7.3	39
4	Novel oxazolonyl derivatives of pregna-5,17(20)-diene as 17 β -hydroxylase/17,20-lyase (CYP17A1) inhibitors. <i>Steroids</i> , 2014, 88, 66-71.	1.8	33
5	Molecular imprinting coupled with electrochemical analysis for plasma samples classification in acute myocardial infarction diagnostic. <i>Biosensors and Bioelectronics</i> , 2018, 99, 216-222.	10.1	32
6	All-electrochemical nanocomposite two-electrode setup for quantification of drugs and study of their electrocatalytic conversion by cytochromes P450. <i>Electrochimica Acta</i> , 2020, 336, 135579.	5.2	29
7	SPR and electrochemical analyses of interactions between CYP3A4 or 3A5 and cytochrome b5. <i>Chemical Physics Letters</i> , 2014, 593, 40-44.	2.6	23
8	Oxazolonyl derivatives of [17(20)E]-21-norpregnene differing in the structure of A and B rings. Facile synthesis and inhibition of CYP17A1 catalytic activity. <i>Steroids</i> , 2016, 115, 114-122.	1.8	21
9	<i>In vitro</i> interactions of abiraterone, erythromycin, and CYP3A4: implications for drug-drug interactions. <i>Fundamental and Clinical Pharmacology</i> , 2020, 34, 120-130.	1.9	21
10	Interaction of 17 β -hydroxylase, 17(20)-lyase (CYP17A1) inhibitors " abiraterone and galeterone " with human sterol 14 α -demethylase (CYP51A1). <i>Journal of Inorganic Biochemistry</i> , 2018, 186, 24-33.	3.5	20
11	Comparison of [17(20) E]-21-Norpregnene oxazolonyl and benzoxazolonyl derivatives as inhibitors of CYP17A1 activity and prostate carcinoma cells growth. <i>Steroids</i> , 2018, 129, 24-34.	1.8	19
12	Electrocatalytic cycle of P450 cytochromes: the protective and stimulating roles of antioxidants. <i>RSC Advances</i> , 2015, 5, 71306-71313.	3.6	16
13	Analysis of l-tyrosine based on electrocatalytic oxidative reactions via screen-printed electrodes modified with multi-walled carbon nanotubes and nanosized titanium oxide (TiO ₂). <i>Amino Acids</i> , 2018, 50, 823-829.	2.7	14
14	Electrochemical oxidation of estrogens as a method for CYP19A1 (aromatase) electrocatalytic activity determination. <i>Electrochimica Acta</i> , 2020, 333, 135539.	5.2	14
15	Electrochemical studies of the interaction of rifampicin and nanosome/rifampicin with dsDNA. <i>Bioelectrochemistry</i> , 2021, 140, 107736.	4.6	14
16	Bioelectrochemical Systems as Technologies for Studying Drug Interactions Related to Cytochrome P450. <i>BioNanoScience</i> , 2019, 9, 79-86.	3.5	12
17	Scrutiny of electrochemically-driven electrocatalysis of C-19 steroid 1 β -hydroxylase (CYP260A1) from <i>Sorangium cellulosum</i> So ce56. <i>Analytical Biochemistry</i> , 2016, 513, 28-35.	2.4	11
18	A new twist of rubredoxin function in <i>M. tuberculosis</i> . <i>Bioorganic Chemistry</i> , 2021, 109, 104721.	4.1	11

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19	Electrochemical measurement of intraprotein and interprotein electron transfer. <i>Biophysics (Russian) Tj ETQq1</i> 1 0.784314 rgBT /Ove	0.7	9
20	Taurine modulates catalytic activity of cytochrome P450 3A4. <i>Biochemistry (Moscow)</i> , 2015, 80, 366-373.	1.5	9
21	Assessment of electrocatalytic hydroxylase activity of cytochrome P450 3A4 (CYP3A4) by means of derivatization of 6 ¹² -hydroxycortisol by sulfuric acid for fluorimetric assay. <i>Talanta</i> , 2019, 196, 231-236.	5.5	9
22	The dose-dependent influence of antioxidant vitamins on electrochemically-driven cytochrome P450 catalysis. <i>Oxidants and Antioxidants in Medical Science</i> , 2013, 2, 113.	0.2	8
23	Development of methods for functionalization of screen printed electrodes with biocompatible organic-inorganic hybrid nanocomposites for biosensing applications. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2014, 8, 237-242.	0.4	7
24	Cytochrome P450 Enzymes and Electrochemistry: Crosstalk with Electrodes as Redox Partners and Electron Sources. <i>Advances in Experimental Medicine and Biology</i> , 2015, 851, 229-246.	1.6	7
25	Electrosynthesis and binding properties of molecularly imprinted poly-o-phenylenediamine as artificial antibodies for electroanalysis of myoglobin. <i>Doklady Biochemistry and Biophysics</i> , 2015, 464, 275-278.	0.9	7
26	Electroanalysis of Biomolecules: Rational Selection of Sensor Construction. <i>Biochemistry (Moscow)</i> , 2021, 86, S140-S151.	1.5	7
27	Interaction of novel oxazoline derivatives of 17(20)E-pregna-5,17(20)-diene with cytochrome P450 17A1. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2015, 9, 114-120.	0.4	6
28	Electroanalysis of 4- ² -Hydroxydiclofenac for CYP2C9 Enzymatic Assay. <i>Electrocatalysis</i> , 2022, 13, 630-640.	3.0	5
29	Estimation of the inhibiting impact of abiraterone D4A metabolite on human steroid 21-monooxygenase (CYP21A2). <i>Steroids</i> , 2020, 154, 108528.	1.8	4
30	Electrochemical methods in biomedical studies. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2015, 9, 228-243.	0.4	3
31	The interactions of a number of steroid-metabolizing cytochromes P450 with abiraterone D4A metabolite: spectral analysis and molecular docking. <i>Steroids</i> , 2020, 162, 108693.	1.8	3
32	Protein-protein interactions in the systems of cytochromes P450 3A4 and 3A5. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2014, 8, 231-236.	0.4	2
33	Electrochemical characterization of mutant forms of rubredoxin B from <i>Mycobacterium tuberculosis</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2022, 1870, 140734.	2.3	2
34	Direct electrochemistry of CYP109C1, CYP109C2 and CYP109D1 from <i>Sorangium cellulosum</i> So ce56. <i>Electrochimica Acta</i> , 2016, 192, 72-79.	5.2	1
35	Interactions of galeterone and its 3- ⁴ metabolite (D4G) with one of the key enzymes of corticosteroid biosynthesis - steroid 21-monooxygenase (CYP21A2). <i>Fundamental and Clinical Pharmacology</i> , 2021, 35, 423-431.	1.9	1
36	Interaction of Isatin with Cytochrome P450 Isoenzymes: Investigation by Means of Spectral and Electrochemical Methods The role of Isatin in Cytochromes P450 Ligand-Protein Binding Events. <i>BioNanoScience</i> , 2020, 10, 157-167.	3.5	0