

Isam Khalaila

List of Publications by Year in descending order

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60
papers

2,705
citations

147801

31
h-index

182427

51
g-index

62
all docs

62
docs citations

62
times ranked

2677
citing authors

#	ARTICLE	IF	CITATIONS
1	Rational Design of Platinum(IV) Compounds to Overcome Glutathione-S-Transferase Mediated Drug Resistance. <i>Journal of the American Chemical Society</i> , 2005, 127, 1382-1383.	13.7	297
2	The eyestalk-androgenic gland-testis endocrine axis in the crayfish <i>Cherax quadricarinatus</i> . <i>General and Comparative Endocrinology</i> , 2002, 127, 147-156.	1.8	127
3	Sexual differentiation in decapod crustaceans: role of the androgenic gland. <i>Invertebrate Reproduction and Development</i> , 1997, 31, 55-61.	0.8	121
4	Identification and Characterization of an Insulin-Like Receptor Involved in Crustacean Reproduction. <i>Endocrinology</i> , 2016, 157, 928-941.	2.8	98
5	A gastrolith protein serving a dual role in the formation of an amorphous mineral containing extracellular matrix. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7129-7134.	7.1	95
6	Identification and Quantification of Protein Glycosylation. <i>International Journal of Carbohydrate Chemistry</i> , 2012, 2012, 1-10.	1.5	94
7	The vitellogenin cDNA of <i>Cherax quadricarinatus</i> encodes a lipoprotein with calcium binding ability, and its expression is induced following the removal of the androgenic gland in a sexually plastic system. <i>General and Comparative Endocrinology</i> , 2002, 127, 263-272.	1.8	93
8	SERS Biosensor Using Metallic Nano-Sculptured Thin Films for the Detection of Endocrine Disrupting Compound Biomarker Vitellogenin. <i>Small</i> , 2014, 10, 3579-3587.	10.0	78
9	Intersex Red Claw Crayfish, <i>Cherax quadricarinatus</i> (von Martens): Functional Males with Pre-vitellogenic Ovaries. <i>Biological Bulletin</i> , 1996, 190, 16-23.	1.8	77
10	Effects of Implantation of Hypertrophied Androgenic Glands on Sexual Characters and Physiology of the Reproductive System in the Female Red Claw Crayfish, <i>Cherax quadricarinatus</i> . <i>General and Comparative Endocrinology</i> , 2001, 121, 242-249.	1.8	76
11	Direct probe electrospray (and nanospray) ionization mass spectrometry of neat ionic liquids. <i>Chemical Communications</i> , 2004, , 2204.	4.1	76
12	Survival of mycobacteria depends on proteasome-mediated amino acid recycling under nutrient limitation. <i>EMBO Journal</i> , 2014, 33, 1802-1814.	7.8	75
13	Sex determination in crayfish: are intersex <i>Cherax quadricarinatus</i> (Decapoda, Parastacidae) genetically females?. <i>Genetical Research</i> , 2003, 82, 107-116.	0.9	73
14	O-Linked β -N-Acetylglucosaminylation (O-GlcNAcylation) in Primary and Metastatic Colorectal Cancer Clones and Effect of N-Acetyl- β -d-glucosaminidase Silencing on Cell Phenotype and Transcriptome. <i>Journal of Biological Chemistry</i> , 2012, 287, 28755-28769.	3.4	71
15	A Mass Spectrometric and Molecular Modelling Study of Cisplatin Binding to Transferrin. <i>ChemBioChem</i> , 2005, 6, 1788-1795.	2.6	66
16	Male-like behavioral patterns and physiological alterations induced by androgenic gland implantation in female crayfish. <i>Journal of Experimental Biology</i> , 2003, 206, 1791-1797.	1.7	62
17	Expression of an Androgenic Gland-Specific Insulin-Like Peptide during the Course of Prawn Sexual and Morphotypic Differentiation. <i>Isrn Endocrinology</i> , 2011, 2011, 1-11.	2.0	62
18	On intersexuality in the crayfish <i>Cherax quadricarinatus</i> : an inducible sexual plasticity model. <i>Invertebrate Reproduction and Development</i> , 2002, 41, 27-33.	0.8	58

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19	Hemocyanin with phenoloxidase activity in the chitin matrix of the crayfish gastrolith. <i>Journal of Experimental Biology</i> , 2013, 216, 1898-904.	1.7	57
20	Endocrine balance between male and female components of the reproductive system in intersex <i>Cherax quadricarinatus</i> (Decapoda: Parastacidae). <i>The Journal of Experimental Zoology</i> , 1999, 283, 286-294.	1.4	56
21	A Crayfish Insulin-like-binding Protein. <i>Journal of Biological Chemistry</i> , 2013, 288, 22289-22298.	3.4	46
22	A Newly Established ELISA Showing the Effect of the Androgenic Gland on Secondary-Vitellogenic-Specific Protein in the Hemolymph of the Crayfish <i>Cherax quadricarinatus</i> . <i>General and Comparative Endocrinology</i> , 1999, 115, 37-45.	1.8	43
23	Structural characterization of the N-glycan moiety and site of glycosylation in vitellogenin from the decapod crustacean <i>Cherax quadricarinatus</i> . <i>Glycobiology</i> , 2004, 14, 767-774.	2.5	43
24	A Protein Involved in the Assembly of an Extracellular Calcium Storage Matrix. <i>Journal of Biological Chemistry</i> , 2010, 285, 12831-12839.	3.4	42
25	O-GlcNAcylation affects β -catenin and E-cadherin expression, cell motility and tumorigenicity of colorectal cancer. <i>Experimental Cell Research</i> , 2018, 364, 42-49.	2.6	41
26	Gonad maturation, morphological and physiological changes during the first reproductive cycle of the crayfish <i>Cherax quadricarinatus</i> female. <i>Invertebrate Reproduction and Development</i> , 1996, 29, 235-242.	0.8	40
27	Identification and characterization of the vitellogenin receptor in <i>Macrobrachium rosenbergii</i> and its expression during vitellogenesis. <i>Molecular Reproduction and Development</i> , 2012, 79, 478-487.	2.0	39
28	Identification of Receptor-Interacting Regions of Vitellogenin within Evolutionarily Conserved Sheet Structures by Using a Peptide Array. <i>ChemBioChem</i> , 2013, 14, 1116-1122.	2.6	39
29	Mannosidase activity of EDEM1 and EDEM2 depends on an unfolded state of their glycoprotein substrates. <i>Communications Biology</i> , 2018, 1, 172.	4.4	39
30	The Crustacean Androgen: A Hormone in an Isopod and Androgenic Activity in Decapods1. <i>American Zoologist</i> , 2001, 41, 477-484.	0.7	34
31	Strigolactone analogs act as new anti-cancer agents in inhibition of breast cancer in xenograft model. <i>Cancer Biology and Therapy</i> , 2015, 16, 1682-1688.	3.4	33
32	High-density lipoprotein associated with secondary vitellogenesis in the hemolymph of the crayfish <i>Cherax quadricarinatus</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2000, 127, 411-421.	1.6	32
33	N-glycan moieties of the crustacean egg yolk protein and their glycosylation sites. <i>Glycoconjugate Journal</i> , 2010, 27, 159-169.	2.7	32
34	Changes in Protein Kinase C during Vitellogenesis in the Crayfish <i>Cherax quadricarinatus</i> —Possible Activation by Methyl Farnesoate. <i>General and Comparative Endocrinology</i> , 2000, 118, 200-208.	1.8	28
35	Differential effects of putative N-glycosylation sites in human Tau on Alzheimer's disease-related neurodegeneration. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 2231-2245.	5.4	28
36	The Influence of Androgenic Gland Implantation on the Agonistic Behavior of Female Crayfish (<i>Cherax</i>)	0.8	26

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37	Novel model of secreted human tau protein reveals the impact of the abnormal N-glycosylation of tau on its aggregation propensity. <i>Scientific Reports</i> , 2019, 9, 2254.	3.3	26
38	Binary Gene Expression Patterning of the Molt Cycle: The Case of Chitin Metabolism. <i>PLoS ONE</i> , 2015, 10, e0122602.	2.5	25
39	The effect of O -GlcNAcylation on hnRNP A1 translocation and interaction with transportin1. <i>Experimental Cell Research</i> , 2017, 350, 210-217.	2.6	22
40	Posttranslational regulation of coordinated enzyme activities in the Pup-proteasome system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1605-14.	7.1	21
41	A kinetic model for the prevalence of mono- over poly-ubiquitylation. <i>FEBS Journal</i> , 2015, 282, 4176-4186.	4.7	18
42	The Crustacean Androgen: A Hormone in an Isopod and Androgenic Activity in Decapods. <i>American Zoologist</i> , 2001, 41, 477-484.	0.7	17
43	Allosteric Transitions Direct Protein Tagging by PafA, the Prokaryotic Ubiquitin-like Protein (Pup) Ligase. <i>Journal of Biological Chemistry</i> , 2013, 288, 11287-11293.	3.4	17
44	Expression, Function, and Molecular Properties of the Killer Receptor Ncr1-No α . <i>Journal of Immunology</i> , 2015, 195, 3959-3969.	0.8	16
45	The soft red patch of the Australian freshwater crayfish (<i>Cherax quadricarinatus</i> (von Martens)): a review and prospects for future research. <i>Journal of Zoology</i> , 2003, 259, 375-379.	1.7	14
46	Proteomic analysis of the crayfish gastrolith chitinous extracellular matrix reveals putative protein complexes and a central role for GAP 65. <i>Journal of Proteomics</i> , 2015, 128, 333-343.	2.4	14
47	A crayfish molar tooth protein with putative mineralized exoskeletal chitinous matrix c properties. <i>Journal of Experimental Biology</i> , 2015, 218, 3487-98.	1.7	14
48	CPAP3 proteins in the mineralized cuticle of a decapod crustacean. <i>Scientific Reports</i> , 2018, 8, 2430.	3.3	13
49	Eggshell spheres protect brown widow spider (<i>Latrodectus geometricus</i>) eggs from bacterial infection. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20180581.	3.4	12
50	Transcriptional silencing of vitellogenesis-inhibiting and molt-inhibiting hormones in the giant freshwater prawn, <i>Macrobrachium rosenbergii</i> , and evaluation of the associated effects on ovarian development. <i>Aquaculture</i> , 2021, 538, 736540.	3.5	11
51	Quantitative analysis of caveolin-rich lipid raft proteins from primary and metastatic colorectal cancer clones. <i>Journal of Proteomics</i> , 2012, 75, 2629-2637.	2.4	10
52	The role of cisplatin and NAMI-A plasma-protein interactions in relation to combination therapy. <i>International Journal of Oncology</i> , 2006, 29, 261.	3.3	9
53	A Novel Chitin Binding Crayfish Molar Tooth Protein with Elasticity Properties. <i>PLoS ONE</i> , 2015, 10, e0127871.	2.5	9
54	Genes encoding putative bicarbonate transporters as a missing molecular link between molt and mineralization in crustaceans. <i>Scientific Reports</i> , 2021, 11, 11722.	3.3	8

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55	New interacting partners of the Fâ€box protein Ufo1 of yeast. <i>Yeast</i> , 2008, 25, 733-743.	1.7	7
56	Identification of putative novel O-glycosylations in the NK killer receptor Ncr1 essential for its activity. <i>Cell Discovery</i> , 2015, 1, 15036.	6.7	7
57	One precursor, three apolipoproteins: The relationship between two crustacean lipoproteins, the large discoidal lipoprotein and the high density lipoprotein/ β ² -glucan binding protein. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 1700-1708.	2.4	5
58	SPR Based Fiber Optic Sensor for the Detection of Vitellogenin: An Endocrine Disruption Biomarker in Aquatic Environments. <i>Biosensors Journal</i> , 2015, 04, .	0.4	5
59	OUP accepted manuscript. <i>Protein Engineering, Design and Selection</i> , 2022, 35, .	2.1	4
60	Highly sensitive SERS based nano-sculptured thin film biosensor for the detection of vitellogenin: an endocrine disruption biomarker. , 2014, , .		0