

Yasser K Bustanji

List of Publications by Year in descending order

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93
papers

2,738
citations

172457

29
h-index

197818

49
g-index

93
all docs

93
docs citations

93
times ranked

3779
citing authors

#	ARTICLE	IF	CITATIONS
1	Intermittent fasting during Ramadan attenuates proinflammatory cytokines and immune cells in healthy subjects. <i>Nutrition Research</i> , 2012, 32, 947-955.	2.9	240
2	Ethnopharmacological survey of medicinal plants in Jordan, Mujib Nature Reserve and surrounding area. <i>Journal of Ethnopharmacology</i> , 2008, 120, 63-71.	4.1	150
3	Self-Medication Patterns in Amman, Jordan. <i>International Journal of Clinical Pharmacy</i> , 2007, 30, 24-30.	1.4	138
4	Dynamics of the interaction between a fibronectin molecule and a living bacterium under mechanical force. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 13292-13297.	7.1	103
5	Pharmacophore Modeling, Quantitative Structure-Activity Relationship Analysis, and in Silico Screening Reveal Potent Glycogen Synthase Kinase-3 β Inhibitory Activities for Cimetidine, Hydroxychloroquine, and Gemifloxacin. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 2062-2077.	6.4	90
6	<i>Staphylococcus epidermidis</i> -fibronectin binding and its inhibition by heparin. <i>Biomaterials</i> , 2003, 24, 3013-3019.	11.4	87
7	Inhibition of glycogen synthase kinase by curcumin: Investigation by simulated molecular docking and subsequent <i>in vitro</i> / <i>in vivo</i> evaluation. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2009, 24, 771-778.	5.2	82
8	Combining Ligand-Based Pharmacophore Modeling, Quantitative Structure-Activity Relationship Analysis and in Silico Screening for the Discovery of New Potent Hormone Sensitive Lipase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 6478-6494.	6.4	78
9	The assessment of the antibacterial and antifungal activities of aspirin, EDTA and aspirin-EDTA combination and their effectiveness as antibiofilm agents. <i>Journal of Applied Microbiology</i> , 2009, 107, 280-286.	3.1	78
10	Discovery of new potent human protein tyrosine phosphatase inhibitors via pharmacophore and QSAR analysis followed by in silico screening. <i>Journal of Molecular Graphics and Modelling</i> , 2007, 25, 870-884.	2.4	77
11	Community consumption of antibacterial drugs within the Jordanian population: sources, patterns and appropriateness. <i>International Journal of Antimicrobial Agents</i> , 2005, 26, 389-395.	2.5	74
12	Pancreatic lipase inhibition activity of trilactone terpenes of <i>Ginkgo biloba</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2011, 26, 453-459.	5.2	74
13	Modified-chitosan nanoparticles: Novel drug delivery systems improve oral bioavailability of doxorubicin. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 93, 38-44.	4.0	69
14	Adiponectin serum levels correlate with insulin resistance in type 2 diabetic patients. <i>Saudi Pharmaceutical Journal</i> , 2015, 23, 250-256.	2.7	67
15	Discovery of new cholesteryl ester transfer protein inhibitors via ligand-based pharmacophore modeling and QSAR analysis followed by synthetic exploration. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 1598-1617.	5.5	51
16	Evaluation of immunosuppression induced by metronidazole in Balb/c mice and human peripheral blood lymphocytes. <i>International Immunopharmacology</i> , 2008, 8, 341-350.	3.8	50
17	Chemopreventive effect of raw and cooked lentils (<i>Lens culinaris</i> L) and soybeans (<i>Glycine max</i>) against azoxymethane-induced aberrant crypt foci. <i>Nutrition Research</i> , 2009, 29, 355-362.	2.9	48
18	Xanthine oxidase inhibitory activity of the methanolic extracts of selected Jordanian medicinal plants. <i>Pharmacognosy Magazine</i> , 2011, 7, 320.	0.6	48

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19	Anti-cancer, anti-inflammatory and anti-microbial activities of plant extracts used against hematological tumors in traditional medicine of Jordan. <i>Journal of Ethnopharmacology</i> , 2013, 145, 728-736.	4.1	45
20	Eugenol Reduces LDL Cholesterol and Hepatic Steatosis in Hypercholesterolemic Rats by Modulating TRPV1 Receptor. <i>Scientific Reports</i> , 2019, 9, 14003.	3.3	45
21	The Desorption Process of Macromolecules Adsorbed on Interfaces: The Force Spectroscopy Approach. <i>ChemPhysChem</i> , 2001, 2, 610-613.	2.1	42
22	Encapsulation of echinomycin in cyclodextrin inclusion complexes into liposomes: <i>in vitro</i> anti-proliferative and anti-invasive activity in glioblastoma. <i>RSC Advances</i> , 2019, 9, 30976-30988.	3.6	35
23	Berberine potently inhibits protein tyrosine phosphatase 1B: Investigation by docking simulation and experimental validation. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2006, 21, 163-171.	5.2	34
24	Hypocholesterolemic effect of β -caryophyllene in rats fed cholesterol and fat enriched diet. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2018, 62, 230-237.	1.4	34
25	Olanzapine inhibits glycogen synthase kinase-3 β : An investigation by docking simulation and experimental validation. <i>European Journal of Pharmacology</i> , 2008, 584, 185-191.	3.5	33
26	Sustained-release of buspirone HCl by co spray-drying with aqueous polymeric dispersions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 69, 735-742.	4.3	33
27	Inhibition of pancreatic lipase by berberine and dihydroberberine: an investigation by docking simulation and experimental validation. <i>Medicinal Chemistry Research</i> , 2013, 22, 2273-2278.	2.4	33
28	Chitosan Nanoparticles as a Novel Drug Delivery System: A Review Article. <i>Current Drug Targets</i> , 2020, 21, 1613-1624.	2.1	32
29	Synthesis and <i>in vitro</i> behavior of iron-crosslinked N-methyl and N-benzyl hydroxamated derivatives of alginate as controlled release carriers. <i>European Polymer Journal</i> , 2006, 42, 2464-2474.	5.4	31
30	Evaluation of naproxen and cromolyn activities against cancer cells viability, proliferation, apoptosis, p53 and gene expression of survivin and caspase-3. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2014, 29, 153-161.	5.2	31
31	Antihyperuricemic and xanthine oxidase inhibitory activities of <i>Tribulus arabicus</i> and its isolated compound, ursolic acid: <i>In vitro</i> and <i>in vivo</i> investigation and docking simulations. <i>PLoS ONE</i> , 2018, 13, e0202572.	2.5	31
32	Levels of metabolic markers in drug-naïve prediabetic and type 2 diabetic patients. <i>Acta Diabetologica</i> , 2017, 54, 163-170.	2.5	28
33	<i>In Silico</i> Screening for Non-nucleoside HIV-1 Reverse Transcriptase Inhibitors Using Physicochemical Filters and High-throughput Docking Followed by <i>In Vitro</i> Evaluation. <i>Chemical Biology and Drug Design</i> , 2009, 74, 258-265.	3.2	25
34	Aptamer-functionalized pH-sensitive liposomes for a selective delivery of echinomycin into cancer cells. <i>RSC Advances</i> , 2021, 11, 29164-29177.	3.6	25
35	The Mechanical Properties of Human Angiostatin Can Be Modulated by Means of Its Disulfide Bonds: A Single-Molecule Force-Spectroscopy Study. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1546-1548.	13.8	23
36	Effect of Ionic Crosslinking on the Drug Release Properties of Chitosan Diacetate Matrices. <i>Journal of Pharmaceutical Sciences</i> , 2007, 96, 38-43.	3.3	23

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37	Naproxen and Cromolyn as New Glycogen Synthase Kinase 3 β Inhibitors for Amelioration of Diabetes and Obesity: An Investigation by Docking Simulation and Subsequent In Vitro/In Vivo Biochemical Evaluation. <i>Journal of Biochemical and Molecular Toxicology</i> , 2013, 27, 425-436.	3.0	23
38	Antiobesity and antihyperglycaemic effects of <i>Adiantum capillus-veneris</i> extracts: <i>in vitro</i> and <i>in vivo</i> evaluations. <i>Pharmaceutical Biology</i> , 2017, 55, 164-172.	2.9	23
39	Antioxidant, antihyperuricemic and xanthine oxidase inhibitory activities of <i>Hyoscyamus reticulatus</i> . <i>Pharmaceutical Biology</i> , 2010, 48, 1376-1383.	2.9	22
40	Pregabalin inhibits <i>in vivo</i> and <i>in vitro</i> cytokine secretion and attenuates spleen inflammation in Lipopolysaccharide/Concanavalin A -induced murine models of inflammation. <i>Scientific Reports</i> , 2020, 10, 4007.	3.3	21
41	Antilipase and antiproliferative activities of novel fluoroquinolones and triazolofluoroquinolones. <i>Chemical Biology and Drug Design</i> , 2017, 90, 1282-1294.	3.2	20
42	Association of Oxytocin with Glucose Intolerance and Inflammation Biomarkers in Metabolic Syndrome Patients with and without Prediabetes. <i>Review of Diabetic Studies</i> , 2017, 14, 364-371.	1.3	20
43	Docking Simulations and <i>in Vitro</i> Assay Unveil Potent Inhibitory Action of Papaverine against Protein Tyrosine Phosphatase 1B. <i>Biological and Pharmaceutical Bulletin</i> , 2009, 32, 640-645.	1.4	18
44	Evaluation of Antiproliferative Activity of Some Traditional Anticancer Herbal Remedies from Jordan. <i>Tropical Journal of Pharmaceutical Research</i> , 2016, 15, 469.	0.3	18
45	Antioxidant, antibacterial, and cytotoxic activities of <i>Cedrus atlantica</i> organic extracts and essential oil. <i>European Journal of Integrative Medicine</i> , 2021, 42, 101292.	1.7	18
46	Effect of lamotrigine on <i>in vivo</i> and <i>in vitro</i> cytokine secretion in murine model of inflammation. <i>Journal of Neuroimmunology</i> , 2018, 322, 36-45.	2.3	17
47	Evaluation of immunomodulatory effects of lamotrigine in BALB/c mice. <i>Acta Pharmaceutica</i> , 2017, 67, 543-555.	2.0	16
48	Fluoroquinolones: novel class of gastrointestinal dietary lipid digestion and absorption inhibitors. <i>Medicinal Chemistry Research</i> , 2014, 23, 3336-3346.	2.4	15
49	Effects of Thermal Curing Conditions on Drug Release from Polyvinyl Acetate/Polyvinyl Pyrrolidone Matrices. <i>AAPS PharmSciTech</i> , 2010, 11, 253-266.	3.3	14
50	Glycated LDL-C and glycated HDL-C in association with adiposity, blood and atherogenicity indices in metabolic syndrome patients with and without prediabetes. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , 2018, 9, 311-323.	3.2	14
51	Evaluation of selected commercial pharmacotherapeutic drugs as potential pancreatic lipase inhibitors and antiproliferative compounds. <i>Drug Development Research</i> , 2019, 80, 310-324.	2.9	14
52	Plant Products and Their Inhibitory Activity Against Pancreatic Lipase. <i>Revista Brasileira De Farmacognosia</i> , 2020, 30, 321-330.	1.4	14
53	Dual Glycation-Inflammation Modulation, DPP-IV and Pancreatic Lipase Inhibitory Potentials and Antiproliferative Activity of Novel Fluoroquinolones. <i>Asian Pacific Journal of Cancer Prevention</i> , 2019, 20, 2503-2514.	1.2	14
54	Nationwide Routine Childhood Vaccination Coverage During the COVID-19 Pandemic in Jordan: Current Situation, Reasons, and Predictors of Vaccination. <i>International Journal of Clinical Practice</i> , 2022, 2022, 1-12.	1.7	14

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55	In vitro anti-inflammatory and antioxidant activities of ZnFe ₂ O ₄ and CrFe ₂ O ₄ nanoparticles synthesized using <i>Boswellia carteri</i> resin. Journal of Food Biochemistry, 2021, 45, e13730.	2.9	13
56	Chemical Profile of the Volatile Oil of Lemon verbena (<i>Aloysia citriodora</i>) Growing in Jordan. Journal of Essential Oil-bearing Plants: JEOP, 2013, 16, 568-574.	1.9	12
57	Anti-Obesity and Antihyperglycemic Effects of <i>Crataegus aronia</i> Extracts: In Vitro and In Vivo Evaluations. Food and Nutrition Sciences (Print), 2013, 04, 972-983.	0.4	12
58	Lipid lowering activity of novel N-(benzoylphenyl)pyridine-3-carboxamide derivatives in Triton WR-1339-induced hyperlipidemic rats. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 138-144.	5.2	11
59	Fabrication of aptamer-guided siRNA loaded lipopolyplexes for gene silencing of notch 1 in MDA-mb-231 triple negative breast cancer cell line. Journal of Drug Delivery Science and Technology, 2021, 65, 102733.	3.0	11
60	Modulation of buspirone HCl release from hypromellose matrices using chitosan succinate: Implications for pH-independent release. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 70, 804-812.	4.3	10
61	The herbicide quinclorac as potent lipase inhibitor: Discovery via virtual screening and in vitro/in vivo validation. Chemical Biology and Drug Design, 2019, 93, 787-797.	3.2	10
62	Phytochemical Analysis, In vitro Assessment of Antioxidant Properties and Cytotoxic Potential of <i>Ruta chalepensis</i> L. Essential Oil. Journal of Essential Oil-bearing Plants: JEOP, 2020, 23, 1409-1421.	1.9	10
63	Inhibitory effects of methanol extracts of selected plants on the proliferation of two human melanoma cell lines. Tropical Journal of Pharmaceutical Research, 2018, 17, 1081.	0.3	9
64	A Comparative Study of First-Derivative Spectrophotometry and Column High-Performance Liquid Chromatography Applied to the Determination of Repaglinide in Tablets and for Dissolution Testing. Journal of AOAC INTERNATIONAL, 2008, 91, 530-535.	1.5	8
65	Serum level of insulin-like growth factor-I in type 2 diabetic patients: impact of obesity. Hormone Molecular Biology and Clinical Investigation, 2019, 39, .	0.7	8
66	Dual anti-inflammatory and antiglycation propensities of a potentially novel class of functionalized fluoroquinolones. Journal of Heterocyclic Chemistry, 2020, 57, 663-675.	2.6	8
67	Identification of Insulin Resistance Biomarkers in Metabolic Syndrome Detected by UHPLC-ESI-QTOF-MS. Metabolites, 2022, 12, 508.	2.9	8
68	Assessment of possible immunotoxicity of the antipsychotic drug clozapine. Journal of Pharmacy and Pharmacology, 2014, 66, 378-386.	2.4	7
69	Carnosic Acid Protects INS-1 β -Cells against Streptozotocin-Induced Damage by Inhibiting Apoptosis and Improving Insulin Secretion and Glucose Uptake. Molecules, 2022, 27, 2102.	3.8	7
70	Chemical Composition and Antiproliferative and Antioxidant Activities of Methanolic Extract of <i>Alcea setosa</i> A. Malvaceae. Research Journal of Pharmacy and Technology, 2021, , 6447-6454.	0.8	7
71	Famotidine inhibits glycogen synthase kinase-3 β : An investigation by docking simulation and experimental validation. Journal of Enzyme Inhibition and Medicinal Chemistry, 2013, 28, 690-694.	5.2	6
72	Antilipolytic and hypotriglyceridemic effects of dietary <i>Salvia triloba</i> Lf (Lamiaceae) in experimental rats. Tropical Journal of Pharmaceutical Research, 2016, 15, 723.	0.3	6

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73	Cytotoxic Effect of Selected Wild Medicinal Plant Species from Jordan on Two Different Breast Cancer Cell Lines, MCF7 and T47D. <i>Biology and Medicine (Aligarh)</i> , 2018, 10, .	0.3	6
74	Effect of light-emitting diodes, platelet-rich plasma, and their combination on the activity of sheep tenocytes. <i>Lasers in Medical Science</i> , 2019, 34, 759-766.	2.1	6
75	The Mechanical Properties of Human Angiostatin Can Be Modulated by Means of Its Disulfide Bonds: A Single-Molecule Force-Spectroscopy Study. <i>Angewandte Chemie</i> , 2002, 114, 1616-1618.	2.0	5
76	Cross-sectional correlates of myeloperoxidase and alpha-1-acid glycoprotein with adiposity, atherogenic and hematological indices in metabolic syndrome patients with or without diabetes. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , 2018, 9, 283-291.	3.2	5
77	Antiproliferative properties of 7,8-Ethylene Diamine Chelator-Lipophilic Fluoroquinolone Derivatives Against colorectal cancer Cell Lines. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2021, 21, .	1.7	5
78	Cytotoxic effect of <i>Mercurialis annua</i> L. methanolic extract on six human solid cancer cell lines. <i>Scientific Research and Essays</i> , 2012, 7, .	0.4	5
79	Chemical Composition and Antiproliferative and Antioxidant Activities of Essential Oil from <i>Juniperus phoenicea</i> L. Cupressaceae. <i>Research Journal of Pharmacy and Technology</i> , 2022, , 153-159.	0.8	5
80	Discovery of new human epidermal growth factor receptor-2 (HER2) inhibitors for potential use as anticancer agents via ligand-based pharmacophore modeling. <i>Journal of Molecular Graphics and Modelling</i> , 2015, 61, 61-84.	2.4	4
81	Evaluation of the potential anticancer activity of different vitamin D metabolites on colorectal and breast cancer cell lines. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2021, 42, 3-9.	0.7	4
82	Discovery of Novel Epoxyketone Peptides as Lipase Inhibitors. <i>Molecules</i> , 2022, 27, 2261.	3.8	4
83	Pharmacological Evaluation of Novel Isonicotinic Carboxamide Derivatives as Potential Anti-Hyperlipidemic and Antioxidant Agents. <i>Archiv Der Pharmazie</i> , 2017, 350, 1700024.	4.1	3
84	Fluoroquinolones as a potentially novel class of antidiabetes and antiproliferative compounds: synthesis and docking studies. <i>Canadian Journal of Chemistry</i> , 2020, 98, 635-645.	1.1	3
85	In vitro Enhancement of Pancreatic β Cells MIN6 Proliferation by Insulinotropic <i>Gymnema sylvestre</i> Aqueous Extracts: Evidence-based Regenerative Therapeutic Capacity of a Medicinal Herb. <i>British Journal of Medicine and Medical Research</i> , 2015, 7, 180-194.	0.2	3
86	<i>Anastatica hierochuntica</i> Extracts: Promising, Safe and Selective Anticancer Agents. <i>Natural Products Journal</i> , 2022, 12, 78-87.	0.3	3
87	Inhibitory effects of methanol extracts of selected plants on proliferation of two human melanoma cell lines. <i>Tropical Journal of Pharmaceutical Research</i> , 2018, 17, 1645.	0.3	2
88	Essential Oil Composition and Antiproliferative Potential of the Aerial Parts of <i>Majorana syriaca</i> (L. Rafi): An Aromatic Essential Oil Bearing Ethnomedicinal Herb from Jordan. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2019, 22, 994-1012.	1.9	2
89	Clarithromycin laurate salt: physicochemical properties and pharmacokinetics after oral administration in humans. <i>Pharmaceutical Development and Technology</i> , 2019, 24, 607-615.	2.4	2
90	The Impact of Lack of Pharmacist Contribution on the Prescription Patterns and the Appropriateness of Indications of NSAIDs : A Cross-Sectional Study. <i>Jordan Journal of Pharmaceutical Sciences</i> , 2013, 6, 258-269.	1.1	2

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91	The Evaluation of Potential Cytotoxic Effect of Different Proton Pump Inhibitors on Different Human Cancer Cell Lines. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2020, 20, 245-253.	1.7	2
92	Immunomodulatory Effects of Tigecycline in Balb/C Mice. <i>Acta Pharmaceutica</i> , 2018, 68, 457-469.	2.0	1
93	Clinical investigation of lipoprotein (a) levels in type 2 diabetics for cardiovascular diseases prediction and prognosis. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2022, 43, 263-271.	0.7	1