

# Yasser K Bustanji

## List of Publications by Year in descending order

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93  
papers

2,738  
citations

172457

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197818

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all docs

93  
docs citations

93  
times ranked

3779  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anastatica hierochuntica Extracts: Promising, Safe and Selective Anticancer Agents. Natural Products Journal, 2022, 12, 78-87.	0.3	3
2	Chemical Composition and Antiproliferative and Antioxidant Activities of Essential Oil from Juniperus phoenicea L. Cupressaceae. Research Journal of Pharmacy and Technology, 2022, , 153-159.	0.8	5
3	Nationwide Routine Childhood Vaccination Coverage During the COVID-19 Pandemic in Jordan: Current Situation, Reasons, and Predictors of Vaccination. International Journal of Clinical Practice, 2022, 2022, 1-12.	1.7	14
4	Discovery of Novel Epoxyketone Peptides as Lipase Inhibitors. Molecules, 2022, 27, 2261.	3.8	4
5	Carnosic Acid Protects INS-1 $\beta$ -Cells against Streptozotocin-Induced Damage by Inhibiting Apoptosis and Improving Insulin Secretion and Glucose Uptake. Molecules, 2022, 27, 2102.	3.8	7
6	Clinical investigation of lipoprotein (a) levels in type 2 diabetics for cardiovascular diseases prediction and prognosis. Hormone Molecular Biology and Clinical Investigation, 2022, 43, 263-271.	0.7	1
7	Identification of Insulin Resistance Biomarkers in Metabolic Syndrome Detected by UHPLC-ESI-QTOF-MS. Metabolites, 2022, 12, 508.	2.9	8
8	Aptamer-functionalized pH-sensitive liposomes for a selective delivery of echinomycin into cancer cells. RSC Advances, 2021, 11, 29164-29177.	3.6	25
9	Evaluation of the potential anticancer activity of different vitamin D metabolites on colorectal and breast cancer cell lines. Hormone Molecular Biology and Clinical Investigation, 2021, 42, 3-9.	0.7	4
10	Antioxidant, antibacterial, and cytotoxic activities of Cedrus atlantica organic extracts and essential oil. European Journal of Integrative Medicine, 2021, 42, 101292.	1.7	18
11	In vitro anti-inflammatory and antioxidant activities of ZnFe <sub>2</sub> O <sub>4</sub> and CrFe <sub>2</sub> O <sub>4</sub> nanoparticles synthesized using Boswellia carteri resin. Journal of Food Biochemistry, 2021, 45, e13730.	2.9	13
12	Antiproliferative properties of 7,8-Ethylene Diamine Chelator-Lipophilic Fluoroquinolone Derivatives Against colorectal cancer Cell Lines. Anti-Cancer Agents in Medicinal Chemistry, 2021, 21, .	1.7	5
13	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
14	Chemical Composition and Antiproliferative and Antioxidant Activities of Methanolic Extract of Alcea setosa A. Malvaceae. Research Journal of Pharmacy and Technology, 2021, , 6447-6454.	0.8	7
15	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
16	Fluoroquinolones as a potentially novel class of antidiabetes and antiproliferative compounds: synthesis and docking studies. Canadian Journal of Chemistry, 2020, 98, 635-645.	1.1	3
17	Plant Products and Their Inhibitory Activity Against Pancreatic Lipase. Revista Brasileira De Farmacognosia, 2020, 30, 321-330.	1.4	14
18	Pregabalin inhibits in vivo and in vitro cytokine secretion and attenuates spleen inflammation in Lipopolysaccharide/Concanavalin A -induced murine models of inflammation. Scientific Reports, 2020, 10, 4007.	3.3	21

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19	Phytochemical Analysis, <i>In vitro</i> 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
20	Chitosan Nanoparticles as a Novel Drug Delivery System: A Review Article. Current Drug Targets, 2020, 21, 1613-1624.	2.1	32
21	The Evaluation of Potential Cytotoxic Effect of Different Proton Pump Inhibitors on Different Human Cancer Cell Lines. Anti-Cancer Agents in Medicinal Chemistry, 2020, 20, 245-253.	1.7	2
22	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. Journal of Essential Oil-bearing Plants: JEOP, 2019, 22, 994-1012.	1.9	2
23	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
24	Eugenol Reduces LDL Cholesterol and Hepatic Steatosis in Hypercholesterolemic Rats by Modulating TRPV1 Receptor. Scientific Reports, 2019, 9, 14003.	3.3	45
25	Encapsulation of echinomycin in cyclodextrin inclusion complexes into liposomes: <i>in vitro</i> anti-proliferative and anti-invasive activity in glioblastoma. RSC Advances, 2019, 9, 30976-30988.	3.6	35
26	The herbicide quinclorac as potent lipase inhibitor: Discovery via virtual screening and <i>in vitro/in vivo</i> validation. Chemical Biology and Drug Design, 2019, 93, 787-797.	3.2	10
27	Clarithromycin laurate salt: physicochemical properties and pharmacokinetics after oral administration in humans. Pharmaceutical Development and Technology, 2019, 24, 607-615.	2.4	2
28	Effect of light-emitting diodes, platelet-rich plasma, and their combination on the activity of sheep tenocytes. Lasers in Medical Science, 2019, 34, 759-766.	2.1	6
29	Evaluation of selected commercial pharmacotherapeutic drugs as potential pancreatic lipase inhibitors and antiproliferative compounds. Drug Development Research, 2019, 80, 310-324.	2.9	14
30	Dual Glycation-Inflammation Modulation, DPP-IV and Pancreatic Lipase Inhibitory Potentials and Antiproliferative Activity of Novel Fluoroquinolones. Asian Pacific Journal of Cancer Prevention, 2019, 20, 2503-2514.	1.2	14
31	Cytotoxic Effect of Selected Wild Medicinal Plant Species from Jordan on Two Different Breast Cancer Cell Lines, MCF7 and T47D. Biology and Medicine (Aligarh), 2018, 10, .	0.3	6
32	Glycated LDL-C and glycated HDL-C in association with adiposity, blood and atherogenicity indices in metabolic syndrome patients with and without prediabetes. Therapeutic Advances in Endocrinology and Metabolism, 2018, 9, 311-323.	3.2	14
33	Inhibitory effects of methanol extracts of selected plants on proliferation of two human melanoma cell lines. Tropical Journal of Pharmaceutical Research, 2018, 17, 1645.	0.3	2
34	Hypocholesterolemic effect of $\beta$ -caryophyllene in rats fed cholesterol and fat enriched diet. Journal of Clinical Biochemistry and Nutrition, 2018, 62, 230-237.	1.4	34
35	Effect of lamotrigine on <i>in vivo</i> and <i>in vitro</i> cytokine secretion in murine model of inflammation. Journal of Neuroimmunology, 2018, 322, 36-45.	2.3	17
36	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

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37	Antihyperuricemic and xanthine oxidase inhibitory activities of Tribulus arabicus and its isolated compound, ursolic acid: In vitro and in vivo investigation and docking simulations. PLoS ONE, 2018, 13, e0202572.	2.5	31
38	Cross-sectional correlates of myeloperoxidase and alpha-1-acid glycoprotein with adiposity, atherogenic and hematological indices in metabolic syndrome patients with or without diabetes. Therapeutic Advances in Endocrinology and Metabolism, 2018, 9, 283-291.	3.2	5
39	Immunomodulatory Effects of Tigecycline in Balb/C Mice. Acta Pharmaceutica, 2018, 68, 457-469.	2.0	1
40	Pharmacological Evaluation of Novel Isonicotinic Carboxamide Derivatives as Potential Anti-Hyperlipidemic and Antioxidant Agents. Archiv Der Pharmazie, 2017, 350, 1700024.	4.1	3
41	Antilipase and antiproliferative activities of novel fluoroquinolones and triazolofluoroquinolones. Chemical Biology and Drug Design, 2017, 90, 1282-1294.	3.2	20
42	Levels of metabolic markers in drug-naive prediabetic and type 2 diabetic patients. Acta Diabetologica, 2017, 54, 163-170.	2.5	28
43	Antiobesity and antihyperglycaemic effects of <i>Adiantum capillus-veneris</i> extracts: <i>in vitro</i> and <i>in vivo</i> evaluations. Pharmaceutical Biology, 2017, 55, 164-172.	2.9	23
44	Evaluation of immunomodulatory effects of lamotrigine in BALB/c mice. Acta Pharmaceutica, 2017, 67, 543-555.	2.0	16
45	Association of Oxytocin with Glucose Intolerance and Inflammation Biomarkers in Metabolic Syndrome Patients with and without Prediabetes. Review of Diabetic Studies, 2017, 14, 364-371.	1.3	20
46	Evaluation of Antiproliferative Activity of Some Traditional Anticancer Herbal Remedies from Jordan. Tropical Journal of Pharmaceutical Research, 2016, 15, 469.	0.3	18
47	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
48	Modified-chitosan nanoparticles: Novel drug delivery systems improve oral bioavailability of doxorubicin. European Journal of Pharmaceutical Sciences, 2016, 93, 38-44.	4.0	69
49	Lipid lowering activity of novel <i>N</i> -(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
50	Discovery of new human epidermal growth factor receptor-2 (HER2) inhibitors for potential use as anticancer agents via ligand-based pharmacophore modeling. Journal of Molecular Graphics and Modelling, 2015, 61, 61-84.	2.4	4
51	Adiponectin serum levels correlate with insulin resistance in type 2 diabetic patients. Saudi Pharmaceutical Journal, 2015, 23, 250-256.	2.7	67
52	In vitro Enhancement of Pancreatic $\beta$ Cells MIN6 Proliferation by Insulinotropic <i>Gymnema sylvestre</i> Aqueous Extracts: Evidence-based Regenerative Therapeutic Capacity of a Medicinal Herb. British Journal of Medicine and Medical Research, 2015, 7, 180-194.	0.2	3
53	Assessment of possible immunotoxicity of the antipsychotic drug clozapine. Journal of Pharmacy and Pharmacology, 2014, 66, 378-386.	2.4	7
54	Evaluation of naproxen and cromolyn activities against cancer cells viability, proliferation, apoptosis, p53 and gene expression of survivin and caspase-3. Journal of Enzyme Inhibition and Medicinal Chemistry, 2014, 29, 153-161.	5.2	31

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55	Fluoroquinolones: novel class of gastrointestinal dietary lipid digestion and absorption inhibitors. <i>Medicinal Chemistry Research</i> , 2014, 23, 3336-3346.	2.4	15
56	Famotidine inhibits glycogen synthase kinase-3 $\beta$ : An investigation by docking simulation and experimental validation. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2013, 28, 690-694.	5.2	6
57	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
58	Naproxen and Cromolyn as New Glycogen Synthase Kinase 3 $\beta$ 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
59	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
60	Chemical Profile of the Volatile Oil of Lemon verbena ( <i>Aloysia citriodora</i> ) Growing in Jordan. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2013, 16, 568-574.	1.9	12
61	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
62	Anti-Obesity and Antihyperglycemic Effects of <i>Crataegus aronia</i> Extracts: In Vitro and In Vivo Evaluations. <i>Food and Nutrition Sciences (Print)</i> , 2013, 04, 972-983.	0.4	12
63	Intermittent fasting during Ramadan attenuates proinflammatory cytokines and immune cells in healthy subjects. <i>Nutrition Research</i> , 2012, 32, 947-955.	2.9	240
64	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
65	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
66	Xanthine oxidase inhibitory activity of the methanolic extracts of selected Jordanian medicinal plants. <i>Pharmacognosy Magazine</i> , 2011, 7, 320.	0.6	48
67	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
68	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
69	Antioxidant, antihyperuricemic and xanthine oxidase inhibitory activities of <i>Hyoscyamus reticulatus</i> . <i>Pharmaceutical Biology</i> , 2010, 48, 1376-1383.	2.9	22
70	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
71	In Silico Screening for Non-nucleoside HIV Reverse Transcriptase Inhibitors Using Physicochemical Filters and High-Throughput Docking Followed by In Vitro Evaluation. <i>Chemical Biology and Drug Design</i> , 2009, 74, 258-265.	3.2	25
72	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

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73	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
74	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
75	Olanzapine inhibits glycogen synthase kinase-3 $\beta$ : An investigation by docking simulation and experimental validation. <i>European Journal of Pharmacology</i> , 2008, 584, 185-191.	3.5	33
76	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
77	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
78	Pharmacophore Modeling, Quantitative Structure-Activity Relationship Analysis, and <i>in Silico</i> Screening Reveal Potent Glycogen Synthase Kinase-3 $\beta$ Inhibitory Activities for Cimetidine, Hydroxychloroquine, and Gemifloxacin. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 2062-2077.	6.4	90
79	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
80	Modulation of buspirone HCl release from hypromellose matrices using chitosan succinate: Implications for pH-independent release. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 70, 804-812.	4.3	10
81	Combining Ligand-Based Pharmacophore Modeling, Quantitative Structure-Activity Relationship Analysis and <i>in Silico</i> Screening for the Discovery of New Potent Hormone Sensitive Lipase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 6478-6494.	6.4	78
82	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. <i>Journal of AOAC INTERNATIONAL</i> , 2008, 91, 530-535.	1.5	8
83	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
84	Discovery of new potent human protein tyrosine phosphatase inhibitors via pharmacophore and QSAR analysis followed by <i>in silico</i> screening. <i>Journal of Molecular Graphics and Modelling</i> , 2007, 25, 870-884.	2.4	77
85	Self-Medication Patterns in Amman, Jordan. <i>International Journal of Clinical Pharmacy</i> , 2007, 30, 24-30.	1.4	138
86	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
87	Synthesis and <i>in vitro</i> behavior of iron-crosslinked N-methyl and N-benzyl hydroxamated derivatives of alginic acid as controlled release carriers. <i>European Polymer Journal</i> , 2006, 42, 2464-2474.	5.4	31
88	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
89	<i>Staphylococcus epidermidis</i> fibronectin binding and its inhibition by heparin. <i>Biomaterials</i> , 2003, 24, 3013-3019.	11.4	87
90	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

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91	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
92	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
93	The Desorption Process of Macromolecules Adsorbed on Interfaces: The Force Spectroscopy Approach. <i>ChemPhysChem</i> , 2001, 2, 610-613.	2.1	42