

Amr Amin

List of Publications by Year in descending order

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Version: 2024-02-01

129
papers

7,758
citations

57758

44
h-index

54911

84
g-index

132
all docs

132
docs citations

132
times ranked

12225
citing authors

#	ARTICLE	IF	CITATIONS
1	Immune evasion in cancer: Mechanistic basis and therapeutic strategies. <i>Seminars in Cancer Biology</i> , 2015, 35, S185-S198.	9.6	1,122
2	Broad targeting of resistance to apoptosis in cancer. <i>Seminars in Cancer Biology</i> , 2015, 35, S78-S103.	9.6	535
3	Sustained proliferation in cancer: Mechanisms and novel therapeutic targets. <i>Seminars in Cancer Biology</i> , 2015, 35, S25-S54.	9.6	468
4	Tissue invasion and metastasis: Molecular, biological and clinical perspectives. <i>Seminars in Cancer Biology</i> , 2015, 35, S244-S275.	9.6	408
5	Broad targeting of angiogenesis for cancer prevention and therapy. <i>Seminars in Cancer Biology</i> , 2015, 35, S224-S243.	9.6	375
6	Genomic instability in human cancer: Molecular insights and opportunities for therapeutic attack and prevention through diet and nutrition. <i>Seminars in Cancer Biology</i> , 2015, 35, S5-S24.	9.6	231
7	Dysregulated metabolism contributes to oncogenesis. <i>Seminars in Cancer Biology</i> , 2015, 35, S129-S150.	9.6	225
8	Designing a broad-spectrum integrative approach for cancer prevention and treatment. <i>Seminars in Cancer Biology</i> , 2015, 35, S276-S304.	9.6	220
9	Saffron: A potential candidate for a novel anticancer drug against hepatocellular carcinoma. <i>Hepatology</i> , 2011, 54, 857-867.	7.3	159
10	Hepatoprotective effects of Hibiscus, Rosmarinus and Salvia on azathioprine-induced toxicity in rats. <i>Life Sciences</i> , 2005, 77, 266-278.	4.3	140
11	Chemopreventive activities of (Fenugreek) against breast cancer. <i>Cell Biology International</i> , 2005, 29, 687-694.	3.0	125
12	Effects of Roselle and Ginger on cisplatin-induced reproductive toxicity in rats. <i>Asian Journal of Andrology</i> , 2006, 8, 607-612.	1.6	113
13	Oxidative stress mediates drug-induced hepatotoxicity in rats: a possible role of DNA fragmentation. <i>Toxicology</i> , 2005, 208, 367-375.	4.2	108
14	Potential compound from herbal food of Rhizoma Polygonati for treatment of COVID-19 analyzed by network pharmacology: Viral and cancer signaling mechanisms. <i>Journal of Functional Foods</i> , 2021, 77, 104149.	3.4	97
15	Saffron: The Golden Spice with Therapeutic Properties on Digestive Diseases. <i>Nutrients</i> , 2019, 11, 943.	4.1	96
16	Evasion of anti-growth signaling: A key step in tumorigenesis and potential target for treatment and prophylaxis by natural compounds. <i>Seminars in Cancer Biology</i> , 2015, 35, S55-S77.	9.6	95
17	A multi-targeted approach to suppress tumor-promoting inflammation. <i>Seminars in Cancer Biology</i> , 2015, 35, S151-S184.	9.6	95
18	Current status of nanomaterial-based treatment for hepatocellular carcinoma. <i>Biomedicine and Pharmacotherapy</i> , 2019, 116, 108852.	5.6	90

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19	Standardized extract of ginger ameliorates liver cancer by reducing proliferation and inducing apoptosis through inhibition oxidative stress/ inflammation pathway. Biomedicine and Pharmacotherapy, 2021, 134, 111102.	5.6	90
20	Antioxidant and anticancer activities of chamomile (<i>Matricaria recutita</i> L.). BMC Research Notes, 2019, 12, 3.	1.4	83
21	Safranal induces DNA double-strand breakage and ER-stress-mediated cell death in hepatocellular carcinoma cells. Scientific Reports, 2018, 8, 16951.	3.3	82
22	Hypofractionated conformal radiotherapy for pediatric diffuse intrinsic pontine glioma (DIPG): A randomized controlled trial. Radiotherapy and Oncology, 2014, 111, 35-40.	0.6	80
23	Antioxidant and anticancer activities of <i>Trigonella foenum-graecum</i> , <i>Cassia acutifolia</i> and <i>Rhazya stricta</i> . BMC Complementary and Alternative Medicine, 2018, 18, 240.	3.7	77
24	Inhibitory properties of camel whey protein hydrolysates toward liver cancer cells, dipeptidyl peptidase-IV, and inflammation. Journal of Dairy Science, 2018, 101, 8711-8720.	3.4	74
25	Aescin and diosmin each alone or in low dose- combination ameliorate liver damage induced by carbon tetrachloride in rats. BMC Research Notes, 2020, 13, 259.	1.4	72
26	Saffron-Based Crocin Prevents Early Lesions of Liver Cancer: In vivo, In vitro and Network Analyses. Recent Patents on Anti-Cancer Drug Discovery, 2016, 11, 121-133.	1.6	70
27	The Protective Effect of <i>Tribulus terrestris</i> in Diabetes. Annals of the New York Academy of Sciences, 2006, 1084, 391-401.	3.8	68
28	Molecular characterization of the grape seeds extract's effect against chemically induced liver cancer: In vivo and in vitro analyses. Scientific Reports, 2018, 8, 1270.	3.3	68
29	Defective Autophagosome Formation in p53-Null Colorectal Cancer Reinforces Crocin-Induced Apoptosis. International Journal of Molecular Sciences, 2015, 16, 1544-1561.	4.1	66
30	Development of a therapeutic model of precancerous liver using crocin-coated magnetite nanoparticles. International Journal of Oncology, 2017, 50, 212-222.	3.3	66
31	Hawthorn Herbal Preparation from <i>Crataegus oxyacantha</i> Attenuates In Vivo Carbon Tetrachloride-Induced Hepatic Fibrosis via Modulating Oxidative Stress and Inflammation. Antioxidants, 2020, 9, 1173.	5.1	65
32	Saffron and Its Major Ingredients's Effect on Colon Cancer Cells with Mismatch Repair Deficiency and Microsatellite Instability. Molecules, 2021, 26, 3855.	3.8	64
33	Anti-Hepatocellular Carcinoma Biomolecules: Molecular Targets Insights. International Journal of Molecular Sciences, 2021, 22, 10774.	4.1	64
34	Melissa officinalis Protects against Doxorubicin-Induced Cardiotoxicity in Rats and Potentiates Its Anticancer Activity on MCF-7 Cells. PLoS ONE, 2016, 11, e0167049.	2.5	62
35	Overview of major classes of plant-derived anticancer drugs. International Journal of Biomedical Science, 2009, 5, 1-11.	0.1	61
36	Herbal extracts counteract cisplatin-mediated cell death in rat testis. Asian Journal of Andrology, 2008, 10, 291-297.	1.6	60

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37	The protective effect of a purified extract of <i>Withania somnifera</i> against doxorubicin-induced cardiac toxicity in rats. <i>Cell Biology and Toxicology</i> , 2008, 24, 63-73.	5.3	59
38	Texture analysis of liver fibrosis microscopic images: a study on the effect of biomarkers. <i>Acta Biochimica Et Biophysica Sinica</i> , 2011, 43, 193-203.	2.0	57
39	The anticancer effect of saffron in two p53 isogenic colorectal cancer cell lines. <i>BMC Complementary and Alternative Medicine</i> , 2012, 12, 69.	3.7	55
40	<i>Salvadora persica</i> (Miswak): Antioxidant and Promising Antiangiogenic Insights. <i>American Journal of Plant Sciences</i> , 2018, 09, 1228-1244.	0.8	54
41	Hedgehog activates the EGF receptor pathway during <i>Drosophila</i> head development. <i>Development (Cambridge)</i> , 1999, 126, 2623-2630.	2.5	51
42	Dandelion prevents liver fibrosis, inflammatory response, and oxidative stress in rats. <i>Journal of Basic and Applied Zoology</i> , 2020, 81, .	0.9	50
43	Therapeutic targeting of replicative immortality. <i>Seminars in Cancer Biology</i> , 2015, 35, S104-S128.	9.6	49
44	Network pharmacology and experimental investigation of <i>Rhizoma polygonati</i> extract targeted kinase with herbzyme activity for potent drug delivery. <i>Drug Delivery</i> , 2021, 28, 2187-2197.	5.7	49
45	Camel whey protein hydrolysates induced G2/M cellcycle arrest in human colorectal carcinoma. <i>Scientific Reports</i> , 2021, 11, 7062.	3.3	47
46	Pancreas-protective effects of chlorella in STZ-induced diabetic animal model: insights into the mechanism. <i>Journal of Diabetes Mellitus</i> , 2011, 01, 36-45.	0.3	47
47	<i>Zizyphus spina-christi</i> protects against carbon tetrachloride-induced liver fibrosis in rats. <i>Food and Chemical Toxicology</i> , 2009, 47, 2111-2119.	3.6	43
48	Halotolerant Marine Rhizosphere-Competent Actinobacteria Promote <i>Salicornia bigelovii</i> Growth and Seed Production Using Seawater Irrigation. <i>Frontiers in Microbiology</i> , 2020, 11, 552.	3.5	43
49	New Platinum and Ruthenium Complexes - the Latest Class of Potential Chemotherapeutic Drugs - a Review of Recent Developments in the Field. <i>Mini-Reviews in Medicinal Chemistry</i> , 2009, 9, 1489-1503.	2.4	42
50	Glioma residual or recurrence versus radiation necrosis: accuracy of pentavalent technetium-99m-dimercaptosuccinic acid [Tc-99m (V) DMSA] brain SPECT compared to proton magnetic resonance spectroscopy (1H-MRS): initial results. <i>Journal of Neuro-Oncology</i> , 2012, 106, 579-587.	2.9	42
51	Intracellular spectral recompositioning of light enhances algal photosynthetic efficiency. <i>Science Advances</i> , 2017, 3, e1603096.	10.3	42
52	Beneficial effect of vitamin E on the metabolic parameters of diabetic rats. <i>Molecular and Cellular Biochemistry</i> , 2004, 261, 35-42.	3.1	41
53	Vitamin E Ameliorates Some Biochemical Parameters in Normal and Diabetic Rats. <i>Annals of the New York Academy of Sciences</i> , 2006, 1084, 411-431.	3.8	41
54	A Standardized Extract of <i>Ginkgo biloba</i> Neutralizes Cisplatin-Mediated Reproductive Toxicity in Rats. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-11.	3.0	41

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55	Effect of Vitamin C on Liver and Kidney Functions in Normal and Diabetic Rats. Annals of the New York Academy of Sciences, 2006, 1084, 371-390.	3.8	38
56	Apium graveolens modulates sodium valproate-induced reproductive toxicity in rats. Journal of Experimental Zoology, 2007, 307A, 199-206.	1.2	36
57	Spirulina protects against cadmium-induced hepatotoxicity in rats. American Journal of Pharmacology and Toxicology, 2006, 1, 21-25.	0.7	36
58	The Anti-Cancer Charm of Flavonoids: A Cup-of-Tea Will Do!. Recent Patents on Anti-Cancer Drug Discovery, 2007, 2, 109-117.	1.6	33
59	Ketoconazole-induced testicular damage in rats reduced by Gentiana extract. Experimental and Toxicologic Pathology, 2008, 59, 377-384.	2.1	33
60	Generation of particle assemblies mimicking enzymatic activity by processing of herbal food: the case of rhizoma polygonati and other natural ingredients in traditional Chinese medicine. Nanoscale Advances, 2021, 3, 2222-2235.	4.6	33
61	Safranal Inhibits Angiogenesis via Targeting HIF-1 α /VEGF Machinery: In Vitro and Ex Vivo Insights. Frontiers in Oncology, 2021, 11, 789172.	2.8	31
62	Molecular Mechanisms behind Safranal's Toxicity to HepG2 Cells from Dual Omics. Antioxidants, 2022, 11, 1125.	5.1	31
63	Introducing <i>Cichorium Pumilum</i> as a Potential Therapeutical Agent Against Drug-Induced Benign Breast Tumor in Rats. Electromagnetic Biology and Medicine, 2012, 31, 299-309.	1.4	30
64	Synthesis and characterization of chitosan-coated magnetite nanoparticles using a modified wet method for drug delivery applications. International Journal of Polymeric Materials and Polymeric Biomaterials, 2019, 68, 73-82.	3.4	30
65	Detecting Protein Complexes in Protein Interaction Networks Modeled as Gene Expression Biclusters. PLoS ONE, 2015, 10, e0144163.	2.5	30
66	Safranal Prevents Liver Cancer Through Inhibiting Oxidative Stress and Alleviating Inflammation. Frontiers in Pharmacology, 2021, 12, 777500.	3.5	30
67	Epidermal Growth Factor Pathway Signaling in Drosophila Embryogenesis: Tools for Understanding Cancer. Cancers, 2017, 9, 16.	3.7	29
68	Mechanistic insights into the augmented effect of bone marrow mesenchymal stem cells and thiazolidinediones in streptozotocin-nicotinamide induced diabetic rats. Scientific Reports, 2018, 8, 9827.	3.3	29
69	Polyphenolic-enriched olive leaf extract attenuated doxorubicin-induced cardiotoxicity in rats via suppression of oxidative stress and inflammation. Journal of Basic and Applied Zoology, 2021, 82, .	0.9	24
70	Modelling liver cancer microenvironment using a novel 3D culture system. Scientific Reports, 2022, 12, 8003.	3.3	24
71	Low temperature synthesis of monolithic mesoporous magnetite nanoparticles. Ceramics International, 2012, 38, 627-634.	4.8	23
72	TLRs-JNK/ NF- κ B Pathway Underlies the Protective Effect of the Sulfide Salt Against Liver Toxicity. Frontiers in Pharmacology, 2022, 13, 850066.	3.5	23

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73	Neural network assessment of herbal protection against chemotherapeutic-induced reproductive toxicity. Theoretical Biology and Medical Modelling, 2012, 9, 1.	2.1	22
74	Physiological 18F-FDG uptake by the spinal cord: is it a point of consideration for cancer patients?. Journal of Neuro-Oncology, 2012, 107, 609-615.	2.9	21
75	Vitamin E Decreases the Hyperglucagonemia of Diabetic Rats. Annals of the New York Academy of Sciences, 2006, 1084, 432-441.	3.8	19
76	Flow injection determination of sialic acid based on amperometric detection. Sensors and Actuators B: Chemical, 2011, 157, 647-653.	7.8	19
77	Silent central nervous system involvement in Egyptian Behçet's disease patients: clinical, psychiatric, and neuroimaging evaluation. Clinical Rheumatology, 2011, 30, 1173-1180.	2.2	17
78	Bilirubin detoxification using different phytomaterials: characterization and in vitro studies. International Journal of Nanomedicine, 2018, Volume 13, 2997-3010.	6.7	17
79	Characterization of human serum albumin's interactions with safranal and crocin using multi-spectroscopic and molecular docking techniques. Biochemistry and Biophysics Reports, 2019, 20, 100670.	1.3	15
80	Rhizoma polygonati from Mount Tai: nutritional value and usefulness as a traditional Chinese medicine, source of herbzyme, and potential remediating agent for COVID-19 and chronic and hidden hunger. , 2021, 1, 31-38.		15
81	Sicca complex among Egyptian patients with chronic hepatitis C virus infection. Clinical Rheumatology, 2011, 30, 1299-1304.	2.2	14
82	Differentiated Thyroid Carcinoma. Clinical Nuclear Medicine, 2014, 39, 142-146.	1.3	14
83	Nano-evolution and protein-based enzymatic evolution predicts novel types of natural product nanozymes of traditional Chinese medicine: cases of herbzymes of Taishan-Huangjing (<i>Rhizoma) Tj ETQq1 1 0.784314 rgBT/Overlaid	1.3	14
84	Insights into glycan biosynthesis in chemically-induced hepatocellular carcinoma in rats: A glycomic analysis. World Journal of Gastroenterology, 2015, 21, 6167.	3.3	13
85	In Vitro Studies on the Effect of Phototoxicity of A New Photosensitizer Extracted from Flowers and Aerial Parts of Cichorium pumilum. American Journal of Pharmacology and Toxicology, 2007, 2, 39-45.	0.7	13
86	A Method for the Synchronous Induction of Large Numbers of Telotrochs in Vorticella convallaria by Monocalcium Phosphate at Low pH. Journal of Eukaryotic Microbiology, 1999, 46, 12-16.	1.7	11
87	MRI-based texture analysis: a potential technique to assess protectors against induced-liver fibrosis in rats. Radiology and Oncology, 2009, 43, .	1.7	11
88	Chemopreventive Effect of Chlorella on the Antioxidant System in 7, 12-Dimethylbenz[a]Anthracene-Induced Oxidative Stress in Liver. International Journal of Pharmacology, 2008, 4, 169-176.	0.3	11
89	Sensitization of Photohemolysis by a New Extraction from Flowers and Aerial Parts of Cichorium Pumilum Jacq: Effects of Inulin and Hydrogen Peroxide. American Journal of Pharmacology and Toxicology, 2007, 2, 75-79.	0.7	9
90	Identification of a Drosophila Prolyl Endopeptidase and Analysis of Its Expression. DNA and Cell Biology, 1999, 18, 605-610.	1.9	8

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91	Effect of ivermectin on the integument and dorsoventral muscles of the tick <i>Argas (Persicargas) persicus</i> (Oken) (Ixodoidea: Argasidae). <i>Parasitology Research</i> , 2010, 107, 975-982.	1.6	8
92	Tc-99m diethylenetriamine pentaacetic acid (DTPA) renal function reserve estimation: is it a reliable predictive tool for assessment of preclinical renal involvement in scleroderma patients?. <i>Clinical Rheumatology</i> , 2012, 31, 961-966.	2.2	8
93	Protective Effect of Green Algae Against 7,12-Dimethylbenzanthracene (DMBA)-Induced Breast Cancer in Rats. <i>International Journal of Cancer Research</i> , 2008, 5, 12-24.	0.2	8
94	Epidermal Growth Factor Receptor Signaling Activates orthodenticle Expression during <i>Drosophila</i> Head Development. <i>DNA and Cell Biology</i> , 2000, 19, 631-638.	1.9	7
95	Genetic Cross-Talk During Head Development in <i>Drosophila</i> . <i>Journal of Biomedicine and Biotechnology</i> , 2004, 2004, 16-23.	3.0	7
96	Cervical lymph node metastasis in differentiated thyroid carcinoma. <i>Nuclear Medicine Communications</i> , 2015, 36, 120-124.	1.1	7
97	The Effect of Vitamin C on the Metabolic Parameters of Experimental Diabetes Mellitus. <i>American Journal of Pharmacology and Toxicology</i> , 2007, 2, 4-9.	0.7	7
98	Physicochemical characterizations of safranin- β -cyclodextrin inclusion complexes prepared by supercritical carbon dioxide and conventional methods. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015, 83, 215-226.	1.6	6
99	Pentavalent technetium-99m-dimercaptosuccinic acid [Tc-99m (V) DMSA] brain SPECT: does it have a place in predicting survival in patients with glioblastoma multiforme?. <i>Journal of Neuro-Oncology</i> , 2015, 121, 303-309.	2.9	6
100	Dataset of potential <i>Rhizoma Polygonati</i> compound-druggable targets and partial pharmacokinetics for treatment of COVID-19. <i>Data in Brief</i> , 2020, 33, 106475.	1.0	6
101	Stunning phenomenon after a radioactive iodine-131 diagnostic whole-body scan. <i>Nuclear Medicine Communications</i> , 2013, 34, 771-776.	1.1	5
102	A simple methodology for RNA isolation from bacteria by integration of formamide extraction and chitosan-modified silica purification. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 6469-6477.	3.7	5
103	An all-in-one nucleic acid enrichment and isothermal amplification platform for rapid detection of <i>Listeria monocytogenes</i> . <i>Food Control</i> , 2022, 139, 109096.	5.5	5
104	EGFR and wingless signaling pathways interact to specify the ocellar pattern in <i>Drosophila</i> . <i>Acta Histochemica</i> , 2003, 105, 285-293.	1.8	4
105	Prevalence of preclinical renal dysfunction in obese Egyptian patients with primary knee osteoarthritis, preliminary data. <i>Egyptian Rheumatologist</i> , 2013, 35, 239-244.	1.0	4
106	Tc-99m diethylenetriamine-pentaacetic acid (DTPA): is it reliable for assessment of methotrexate-induced cumulative effect on renal filtration in rheumatoid arthritis patients?. <i>Rheumatology International</i> , 2013, 33, 3059-3063.	3.0	4
107	Psychiatric and functional neuroimaging abnormalities in chronic hepatitis C virus patients: Is vasculitis a contributing factor?. <i>Arab Journal of Gastroenterology</i> , 2018, 19, 71-75.	0.9	4
108	Patients with end-stage renal disease. <i>Nuclear Medicine Communications</i> , 2013, 34, 314-321.	1.1	3

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109	Fine structure of the integument of <i>Argas (Persicargas) persicus</i> (Oken) (Ixodoidea: Tj ETQq1 1 0,784314 rgBT /Overl	0.6	2
110	Prognostic value of immunohistochemical stratification of invasive duct carcinoma of the breast. Chinese-German Journal of Clinical Oncology, 2013, 12, 265-272.	0.1	2
111	Tc-99m diethylenetriamine pentaacetic acid (DTPA): Is it reliable for assessment of methotrexate-induced cumulative effect on renal filtration in rheumatoid arthritis patients?. Egyptian Rheumatologist, 2013, 35, 5-8.	1.0	2
112	Influence of low grade exercise on skeletal scintigraphy using Tc-99m methylene diphosphonate. Nuclear Medicine Review, 2015, 18, 61-64.	0.5	2
113	Dose-Dependent Effect of Cobra Venom on Testes in Mice. Journal of Biological Sciences, 2007, 7, 294-299.	0.3	2
114	Cancer and Biotechnology: A Matchup that Should Never Slowdown. , 2017, , 73-97.		2
115	Cancer Chemoprevention. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-2.	3.0	1
116	Toxicity assessment of date pit activated carbon nanomaterials in hepatocytes. , 2019, , .		1
117	The Anti-Cancer Charm of Flavonoids: A Cup-of-Tea Will Do You Good!. , 2010, , 552-587.		1
118	Abstract 5249: Crocin prevents early lesions of liver cancer:system biology approach. , 2016, , .		1
119	Assessment of Glucocorticoids â€™ Induced Preclinical Atherosclerosis. , 0, , .		0
120	Review of â€™Sky Above Clouds: Finding Our way Through Creativity, Aging, and Illnessâ€™ Current Aging Science, 2017, 10, 76-76.	1.2	0
121	Abstract 3684: Saffron protects against liver cancer in animal model: Molecular and imaging insights. , 2011, , .		0
122	Abstract 1621: Potent anti-cancer effect of crocin against hepatocellular carcinoma: A preclinical study. , 2012, , .		0
123	Short Term Prognostic Utility of Tc-99m DMSA Renal Imaging in Sepsis Induced Acute Renal Failure; Provisional Data. International Journal of Clinical Medicine, 2013, 04, 543-547.	0.2	0
124	Plant-Based Anticancer Drug Development: Advancements and Hurdles. , 2013, 02, .		0
125	Abstract A21: Autophagy: A potential target for colorectal cancer therapeutics.. , 2013, , .		0
126	Low FDG Metabolic Activity of Loco-Regional Recurrence in Thyroid Cancer Patients; Is Iodine-131 has a Potentiality?. The Open Nuclear Medicine Journal, 2014, 6, 12-16.	0.2	0

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127	Outcomes for Patients with Glioblastoma Multiforme Treated with Chemoradiation Alone or Chemoradiation Followed by Adjuvant Chemotherapy. Research in Oncology, 2014, 10, 63-70.	0.2	0
128	Effect of Visfatin on Metabolic Profiles of an Animal Model of Type 2 Diabetes. FASEB Journal, 2019, 33, 767.35.	0.5	0
129	Abstract 2964: Saffron has enhanced anti-proliferative effect against colorectal cancer cells with deficient DNA mismatch repair. , 2020, , .		0