Elaine Leung

List of Publications by Year
in descending order

112 papers	4,782 citations	109321 35 h-index	118850 62 g-index
113 all docs	113 docs citations	113 times ranked	6823 citing authors

#	Article	IF	Citations
1	Ginseng polysaccharides alter the gut microbiota and kynurenine/tryptophan ratio, potentiating the antitumour effect of antiprogrammed cell death 1/programmed cell death ligand 1 (anti-PD-1/PD-L1) immunotherapy. Gut, 2022, 71, 734-745.	12.1	177
2	miR-7/TGF-β2 axis sustains acidic tumor microenvironment-induced lung cancer metastasis. Acta Pharmaceutica Sinica B, 2022, 12, 821-837.	12.0	15
3	Pyronaridine induces apoptosis in non–small cell lung cancer cells by upregulating death receptor 5 expression and inhibiting epidermal growth factor receptor. Chemical Biology and Drug Design, 2022, 99, 83-91.	3.2	8
4	IKKβ mediates homeostatic function in inflammation via competitively phosphorylating AMPK and IκBα. Acta Pharmaceutica Sinica B, 2022, 12, 651-664.	12.0	9
5	Emodin induces apoptosis and suppresses non-small-cell lung cancer growth via downregulation of sPLA2-IIa. Phytomedicine, 2022, 95, 153786.	5.3	21
6	Curcumenol triggered ferroptosis in lung cancer cells via lncRNA H19/miR-19b-3p/FTH1 axis. Bioactive Materials, 2022, 13, 23-36.	15.6	61
7	A tRNA-derived fragment from Chinese yew suppresses ovarian cancer growth via targeting TRPA1. Molecular Therapy - Nucleic Acids, 2022, 27, 718-732.	5.1	19
8	CRISPR/Cas-Based Genome Editing for Human Gut Commensal *Bacteroides* Species. ACS Synthetic Biology, 2022, 11, 464-472.	3.8	30
9	Resistance looms for KRAS G12C inhibitors and rational tackling strategies. , 2022, 229, 108050.		34
10	Andrographolide suppresses non-small-cell lung cancer progression through induction of autophagy and antitumor immune response. Pharmacological Research, 2022, 179, 106198.	7.1	21
11	Targeting Mutant Kirsten Rat Sarcoma Viral Oncogene Homolog in Non-Small Cell Lung Cancer: Current Difficulties, Integrative Treatments and Future Perspectives. Frontiers in Pharmacology, 2022, 13, 875330.	3.5	4
12	Comparative Genomics Reveals Insights into the Divergent Evolution of Astigmatic Mites and Household Pest Adaptations. Molecular Biology and Evolution, 2022, 39, .	8.9	13
13	Do we need different machine learning algorithms for QSAR modeling? A comprehensive assessment of 16 machine learning algorithms on 14 QSAR data sets. Briefings in Bioinformatics, 2021, 22, .	6.5	70
14	Early lung cancer diagnostic biomarker discovery by machine learning methods. Translational Oncology, 2021, 14, 100907.	3.7	99
15	Roles of Ion Fluxes, Metabolism, and Redox Balance in Cancer Therapy. Antioxidants and Redox Signaling, 2021, 34, 1108-1127.	5.4	4
16	Accuracy or novelty: what can we gain from target-specific machine-learning-based scoring functions in virtual screening?. Briefings in Bioinformatics, 2021, 22, .	6.5	26
17	β-elemene enhances the antitumor activity of erlotinib by inducing apoptosis through AMPK and MAPK pathways in TKI-resistant H1975 lung cancer cells. Journal of Cancer, 2021, 12, 2285-2294.	2.5	16
18	The functional landscape of Golgi membrane protein 1 (GOLM1) phosphoproteome reveal GOLM1 regulating P53 that promotes malignancy. Cell Death Discovery, 2021, 7, 42.	4.7	9

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19	Comparison of analgesic activities of aconitine in different mice pain models. PLoS ONE, 2021, 16, e0249276.	2.5	21
20	Potential prognostic factors in progression-free survival for patients with cervical cancer. BMC Cancer, 2021, 21, 531.	2.6	10
21	Plumbagin suppresses non-small cell lung cancer progression through downregulating ARF1 and by elevating CD8+ T cells. Pharmacological Research, 2021, 169, 105656.	7.1	9
22	Luteolin and its derivative apigenin suppress the inducible PD-L1 expression to improve anti-tumor immunity in KRAS-mutant lung cancer. Cancer Letters, 2021, 515, 36-48.	7.2	91
23	In silico study of intrinsic dynamics of full-length apo-ACE2 and RBD-ACE2 complex. Computational and Structural Biotechnology Journal, 2021, 19, 5455-5465.	4.1	11
24	Metabolomics and integrated network pharmacology analysis reveal Tricin as the active anti-cancer component of Weijing decoction by suppression of PRKCA and sphingolipid signaling. Pharmacological Research, 2021, 171, 105574.	7.1	38
25	Immune checkpoints and immunotherapy in non‑small cell lung cancer: Novel study progression, challenges and solutions (Review). Oncology Letters, 2021, 22, 787.	1.8	8
26	A method establishment and comparison of in vivo lung cancer model development platforms for evaluation of tumour metabolism and pharmaceutical efficacy. Phytomedicine, 2021, 96, 153831.	5.3	1
27	Clinical Features and Risk Factors Analysis for Hemorrhage in Adults on ECMO. Frontiers in Medicine, 2021, 8, 731106.	2.6	8
28	Compound Taxus chinensis Capsule Combined with Chemotherapy for Non-Small-Cell Lung Cancer: A PRISMA-Compliant Systematic Review and Meta-Analysis of Randomized Controlled Trials. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-10.	1.2	4
29	The Scientific Foundation of Chinese Herbal Medicine against COVID-19. Engineering, 2020, 6, 1099-1107.	6.7	33
30	Experience of N-acetylcysteine airway management in the successful treatment of one case of critical condition with COVID-19. Medicine (United States), 2020, 99, e22577.	1.0	25
31	Long-term aspirin use for primary cancer prevention: An updated systematic review and subgroup meta-analysis of 29 randomized clinical trials. Journal of Cancer, 2020, 11, 6460-6473.	2.5	12
32	Traditional Chinese medicine in cardiovascular drug discovery. Pharmacological Research, 2020, 160, 105168.	7.1	22
33	Current strategies against COVID-19. Chinese Medicine, 2020, 15, 70.	4.0	15
34	Evodiamine suppresses non-small cell lung cancer by elevating CD8+ T cells and downregulating the MUC1-C/PD-L1 axis. Journal of Experimental and Clinical Cancer Research, 2020, 39, 249.	8.6	56
35	Discovery of Novel IDH1 Inhibitor Through Comparative Structure-Based Virtual Screening. Frontiers in Pharmacology, 2020, 11, 579768.	3.5	15
36	Clinical diagnostic value of long non-coding RNAs in Colorectal Cancer: A systematic review and meta-analysis. Journal of Cancer, 2020, 11, 5518-5526.	2.5	8

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37	Microbiome technology empowers the development of traditional Chinese medicine. Science China Life Sciences, 2020, 63, 1759-1761.	4.9	4
38	Epidemiological and clinical characteristics analysis of COVID-19 in the surrounding areas of Wuhan, Hubei Province in 2020. Pharmacological Research, 2020, 157, 104821.	7.1	48
39	Kanglaite injection plus fluorouracil-based chemotherapy on the reduction of adverse effects and improvement of clinical effectiveness in patients with advanced malignant tumors of the digestive tract. Medicine (United States), 2020, 99, e19480.	1.0	10
40	Chelidonine selectively inhibits the growth of gefitinib-resistant non-small cell lung cancer cells through the EGFR-AMPK pathway. Pharmacological Research, 2020, 159, 104934.	7.1	21
41	A review of therapeutic agents and Chinese herbal medicines against SARS-COV-2 (COVID-19). Pharmacological Research, 2020, 158, 104929.	7.1	95
42	Bletilla striata oligosaccharides improve metabolic syndrome through modulation of gut microbiota and intestinal metabolites in high fat diet-fed mice. Pharmacological Research, 2020, 159, 104942.	7.1	31
43	GORAB promotes embryonic lung maturation through antagonizing AKT phosphorylation, versican expression, and mesenchymal cell migration. FASEB Journal, 2020, 34, 4918-4933.	0.5	0
44	Association of Dietary Fiber and Yogurt Consumption With Lung Cancer Risk. JAMA Oncology, 2020, 6, 788.	7.1	7
45	Compound Kushen injection combined with platinum-based chemotherapy for stage III/IV non-small cell lung cancer: A meta-analysis of 37 RCTs following the PRISMA guidelines. Journal of Cancer, 2020, 11, 1883-1898.	2.5	27
46	Artificial intelligence-based collaborative filtering method with ensemble learning for personalized lung cancer medicine without genetic sequencing. Pharmacological Research, 2020, 160, 105037.	7.1	11
47	Modulation of gut microbiota to overcome resistance to immune checkpoint blockade in cancer immunotherapy. Current Opinion in Pharmacology, 2020, 54, 1-10.	3.5	35
48	Natural products-based polypharmacological modulation of the peripheral immune system for the treatment of neuropsychiatric disorders. , 2020, 208, 107480.		18
49	Commentary on Ge etÂal. â€œInsomnia and risk of mortality from all-cause, cardiovascular disease, and cancer: Systematic review and meta-analysis of prospective cohort studiesâ€• Sleep Medicine Reviews, 2020, 50, 101257.	8.5	4
50	Chemical composition and pharmacological mechanism of Qingfei Paidu Decoction and Ma Xing Shi Gan Decoction against Coronavirus Disease 2019 (COVID-19): In silico and experimental study. Pharmacological Research, 2020, 157, 104820.	7.1	171
51	Prognostic significance of tumor poliovirus receptor and CTLA4 expression in patients with surgically resected non-small-cell lung cancer. Journal of Cancer Research and Clinical Oncology, 2020, 146, 1441-1450.	2.5	11
52	ROS-Responsive Berberine Polymeric Micelles Effectively Suppressed the Inflammation of Rheumatoid Arthritis by Targeting Mitochondria. Nano-Micro Letters, 2020, 12, 76.	27.0	60
53	Pretreatment neutrophil-to-lymphocyte ratio is a predictive biomarker for EGFR TKI-treated patients with advanced EGFR- mutant Non-small cell lung cancer. Translational Cancer Research, 2020, 9, 2875-2883.	1.0	5
54	A single bacterium restores the microbiome dysbiosis to protect bones from destruction in a rat model of rheumatoid arthritis. Microbiome, 2019, 7, 107.	11.1	101

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55	p53 sensitizes chemoresistant non-small cell lung cancer via elevation of reactive oxygen species and suppression of EGFR/PI3K/AKT signaling. Cancer Cell International, 2019, 19, 188.	4.1	45
56	Discovery of a novel protein kinase C activator from Croton tiglium for inhibition of non-small cell lung cancer. Phytomedicine, 2019, 65, 153100.	5.3	10
57	MicroRNA-421 confers paclitaxel resistance by binding to the KEAP1 3′UTR and predicts poor survival in non-small cell lung cancer. Cell Death and Disease, 2019, 10, 821.	6.3	56
58	Traditional Chinese Medicine as a Treatment for Rheumatoid Arthritis: From Empirical Practice to Evidence-Based Therapy. Engineering, 2019, 5, 895-906.	6.7	32
59	Concurrent use of herbal products with prescription drugs is a double-edged sword and evidence-based medicine contributes to reshaping the practice. Pharmacological Research, 2019, 141, 609-610.	7.1	6
60	Long-term efficacy of Chinese medicine Bushen Capsule on cognition and brain activity in patients with amnestic mild cognitive impairment. Pharmacological Research, 2019, 146, 104319.	7.1	20
61	Identification of metabolic vulnerabilities of receptor tyrosine kinases-driven cancer. Nature Communications, 2019, 10, 2701.	12.8	82
62	Cordycepin Inhibits Drug-resistance Non-small Cell Lung Cancer Progression by Activating AMPK Signaling Pathway. Pharmacological Research, 2019, 144, 79-89.	7.1	66
63	Network pharmacology based investigation into the effect and mechanism of Modified Sijunzi Decoction against the subtypes of chronic atrophic gastritis. Pharmacological Research, 2019, 144, 158-166.	7.1	56
64	Identification of a new inhibitor of KRAS–PDEδ interaction targeting KRAS mutant nonsmall cell lung cancer. International Journal of Cancer, 2019, 145, 1334-1345.	5.1	29
65	Compound Kushen injection plus platinum-based chemotherapy for stage IIIB/IV non-small cell lung cancer. Medicine (United States), 2019, 98, e18552.	1.0	10
66	Efficacy and safety of Shenqi Fuzheng injection combined with platinum-based chemotherapy for stage III/IV non-small cell lung cancer. Medicine (United States), 2019, 98, e17350.	1.0	19
67	Computational study on the selective inhibition mechanism of MS402 to the first and second bromodomains of BRD4. Proteins: Structure, Function and Bioinformatics, 2019, 87, 3-11.	2.6	16
68	Histone methyltransferase KMT2D sustains prostate carcinogenesis and metastasis via epigenetically activating LIFR and KLF4. Oncogene, 2018, 37, 1354-1368.	5.9	101
69	High-quality assembly of Dermatophagoides pteronyssinus genome and transcriptome reveals a wide range of novel allergens. Journal of Allergy and Clinical Immunology, 2018, 141, 2268-2271.e8.	2.9	34
70	Suppression of Lipogenesis *via* Reactive Oxygen Species–AMPK Signaling for Treating Malignant and Proliferative Diseases. Antioxidants and Redox Signaling, 2018, 28, 339-357.	5.4	39
71	Licochalcone A activates Keap1-Nrf2 signaling to suppress arthritis via phosphorylation of p62 at serine 349. Free Radical Biology and Medicine, 2018, 115, 471-483.	2.9	57
72	Novel therapeutic strategy for cancer and autoimmune conditions: Modulating cell metabolism and redox capacity. , 2018, 191, 148-161.		24

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73	Identification of a new pyruvate kinase M2 isoform (PKM2) activator for the treatment of non-small-cell lung cancer (NSCLC). Chemical Biology and Drug Design, 2018, 92, 1851-1858.	3.2	17
74	A novel homozygous variant of GPR98 causes usher syndrome type IIC in a consanguineous Chinese family by next generation sequencing. BMC Medical Genetics, 2018, 19, 99.	2.1	24
75	High-quality assembly of Dermatophagoides pteronyssinus genome and transcriptome reveals a wide range of novel allergens. Journal of Allergy and Clinical Immunology, 2018, 141, AB286.	2.9	0
76	Classical molecular dynamics and metadynamics simulations decipher the mechanism of CBP30 selectively inhibiting CBP/p300 bromodomains. Organic and Biomolecular Chemistry, 2018, 16, 6521-6530.	2.8	17
77	Proscillaridin A induces apoptosis and suppresses non-small-cell lung cancer tumor growth via calcium-induced DR4 upregulation. Cell Death and Disease, 2018, 9, 696.	6.3	44
78	New C 19 -diterpenoid alkaloids from the parent roots of Aconitum carmichaelii. Tetrahedron Letters, 2017, 58, 1622-1626.	1.4	12
79	Identification of mitoxantrone as a new inhibitor of ROS1 fusion protein in non-small cell lung cancer cells. MedChemComm, 2017, 8, 621-624.	3.4	6
80	Advanced technologies charting a new path for traditional Chinese medicine drug discovery. Pharmacological Research, 2017, 117, 65-66.	7.1	12
81	Identification of a potent kinase inhibitor targeting EML4-ALK fusion protein in non-small cell lung cancer. MedChemComm, 2017, 8, 1914-1918.	3.4	0
82	Selective inhibition mechanism of RVX-208 to the second bromodomain of bromo and extraterminal proteins: insight from microsecond molecular dynamics simulations. Scientific Reports, 2017, 7, 8857.	3.3	26
83	Suppressing mPGES-1 expression by sinomenine ameliorates inflammation and arthritis. Biochemical Pharmacology, 2017, 142, 133-144.	4.4	60
84	Shikonin inhibits gefitinib-resistant non-small cell lung cancer by inhibiting TrxR and activating the EGFR proteasomal degradation pathway. Pharmacological Research, 2017, 115, 45-55.	7.1	74
85	Identification of potential genetic causal variants for rheumatoid arthritis by whole-exome sequencing. Oncotarget, 2017, 8, 111119-111129.	1.8	20
86	Honokiol Induces Apoptosis, G1 Arrest, and Autophagy in KRAS Mutant Lung Cancer Cells. Frontiers in Pharmacology, 2017, 08, 199.	3.5	45
87	Identification of a New Potent Inhibitor Targeting KRAS in Non-small Cell Lung Cancer Cells. Frontiers in Pharmacology, 2017, 8, 823.	3.5	34
88	Targeting T-cell malignancies using anti-CD4 CAR NK-92 cells. Oncotarget, 2017, 8, 112783-112796.	1.8	78
89	Novel direct AMPK activator suppresses non-small cell lung cancer through inhibition of lipid metabolism. Oncotarget, 2017, 8, 96089-96102.	1.8	21
90	Clinical statistics analysis on the characteristics of pneumoconiosis of Chinese miner population. Journal of Thoracic Disease, 2016, 8, 2203-2211.	1.4	11

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91	Compound Library Screening Identified Cardiac Glycoside Digitoxin as an Effective Growth Inhibitor of Gefitinib-Resistant Non-Small Cell Lung Cancer via Downregulation of α-Tubulin and Inhibition of Microtubule Formation. Molecules, 2016, 21, 374.	3.8	24
92	Identification of Oxygenated Fatty Acid as a Side Chain of Lipo-Alkaloids in Aconitum carmichaelii by UHPLC-Q-TOF-MS and a Database. Molecules, 2016, 21, 437.	3.8	17
93	Anti-cancer and anti-inflammatory new vakognavine-type alkaloid from the roots of Aconitum carmichaelii. Tetrahedron Letters, 2016, 57, 5881-5884.	1.4	22
94	Combined use of PI3K and MEK inhibitors synergistically inhibits lung cancer with EGFR and KRAS mutations. Oncology Reports, 2016, 36, 365-375.	2.6	15
95	Advanced research technology for discovery of new effective compounds from Chinese herbal medicine and their molecular targets. Pharmacological Research, 2016, 111, 546-555.	7.1	25
96	Targeting Tyrosine Kinase Inhibitor-Resistant Non-Small Cell Lung Cancer by Inducing Epidermal Growth Factor Receptor Degradation *via* Methionine 790 Oxidation. Antioxidants and Redox Signaling, 2016, 24, 263-279.	5.4	70
97	SCD1 is associated with tumor promotion, late stage and poor survival in lung adenocarcinoma. Oncotarget, 2016, 7, 39970-39979.	1.8	69
98	(Z)3,4,5,4′-trans-tetramethoxystilbene, a new analogue of resveratrol, inhibits gefitinb-resistant non-small cell lung cancer via selectively elevating intracellular calcium level. Scientific Reports, 2015, 5, 16348.	3.3	38
99	Rapid identification of new minor chemical constituents from Smilacis Glabrae Rhizoma by combined use of UHPLC–Q–TOF–MS, preparative HPLC and UHPLC–SPE–NMR–MS techniques. Phytochemical Analysis, 2015, 26, 428-435.	2.4	17
100	Metabolites Software-Assisted Flavonoid Hunting in Plants Using Ultra-High Performance Liquid Chromatography-Quadrupole-Time of Flight Mass Spectrometry. Molecules, 2015, 20, 3955-3971.	3.8	16
101	Mutation of cysteine 46 in IKK-beta increases inflammatory responses. Oncotarget, 2015, 6, 31805-31819.	1.8	26
102	Quantitative evaluation of berberine subcellular distribution and cellular accumulation in non-small cell lung cancer cells by UPLC–MS/MS. Talanta, 2015, 144, 20-28.	5.5	17
103	Flavonoids derived from liquorice suppress murine macrophage activation by up-regulating heme oxygenase-1 independent of Nrf2 activation. International Immunopharmacology, 2015, 28, 917-924.	3.8	48
104	Celastrol Induces Apoptosis in Gefitinib-Resistant Non-Small Cell Lung Cancer Cells via Caspases-Dependent Pathways and Hsp90 Client Protein Degradation. Molecules, 2014, 19, 3508-3522.	3.8	40
105	Metabolite Analysis of Toosendanin by an Ultra-High Performance Liquid Chromatography-Quadrupole-Time of Flight Mass Spectrometry Technique. Molecules, 2013, 18, 12144-12153.	3.8	20
106	Perspective: The clinical trial barriers. Nature, 2011, 480, S100-S100.	27.8	25
107	A novel *KIF5B–ALK* variant in nonsmall cell lung cancer. Cancer, 2011, 117, 2709-2718.	4.1	86
108	Non-Small Cell Lung Cancer Cells Expressing CD44 Are Enriched for Stem Cell-Like Properties. PLoS ONE, 2010, 5, e14062.	2.5	387

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109	Src Promotes Survival and Invasion of Lung Cancers with Epidermal Growth Factor Receptor Abnormalities and Is a Potential Candidate for Molecular-Targeted Therapy. Molecular Cancer Research, 2009, 7, 923-932.	3.4	43
110	Double *EGFR* mutants containing rare *EGFR* mutant types show reduced *in vitro* response to gefitinib compared with common activating missense mutations. Molecular Cancer Therapeutics, 2009, 8, 2142-2151.	4.1	67
111	The *EML4â€ALK* fusion gene is involved in various histologic types of lung cancers from nonsmokers with wildâ€type *EGFR* and *KRAS*. Cancer, 2009, 115, 1723-1733.	4.1	705
112	Generation and characterization of functional cardiomyocytes using induced pluripotent stem cells derived from human fibroblasts. Cell Biology International, 2009, 33, 1184-1193.	3.0	120