

Yan Xu

List of Publications by Year in descending order

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97
papers

5,356
citations

87888

38
h-index

82547

72
g-index

99
all docs

99
docs citations

99
times ranked

6580
citing authors

#	ARTICLE	IF	CITATIONS
1	Lysophosphatidic Acid as a Potential Biomarker for Ovarian and Other Gynecologic Cancers. <i>JAMA - Journal of the American Medical Association</i> , 1998, 280, 719.	7.4	570
2	Lysophosphatidylcholine as a Ligand for the Immunoregulatory Receptor G2A. <i>Science</i> , 2001, 293, 702-705.	12.6	315
3	Sphingosylphosphorylcholine is a ligand for ovarian cancer G-protein-coupled receptor 1. <i>Nature Cell Biology</i> , 2000, 2, 261-267.	10.3	269
4	Electrospray Ionization Mass Spectrometry Analysis of Lysophospholipids in Human Ascitic Fluids: Comparison of the Lysophospholipid Contents in Malignant vs Nonmalignant Ascitic Fluids. <i>Analytical Biochemistry</i> , 2001, 290, 302-313.	2.4	220
5	GPR68 Senses Flow and Is Essential for Vascular Physiology. <i>Cell</i> , 2018, 173, 762-775.e16.	28.9	205
6	Oncogenic PIK3CA mutations reprogram glutamine metabolism in colorectal cancer. <i>Nature Communications</i> , 2016, 7, 11971.	12.8	203
7	Sphingosylphosphorylcholine and lysophosphatidylcholine: G protein-coupled receptors and receptor-mediated signal transduction. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2002, 1582, 81-88.	2.4	195
8	Lysophosphatidic Acid Is Constitutively Produced by Human Peritoneal Mesothelial Cells and Enhances Adhesion, Migration, and Invasion of Ovarian Cancer Cells. <i>Cancer Research</i> , 2006, 66, 3006-3014.	0.9	179
9	The emerging role of zinc transporters in cellular homeostasis and cancer. <i>Signal Transduction and Targeted Therapy</i> , 2017, 2, .	17.1	178
10	Plasma Lysophosphatidylcholine Levels: Potential Biomarkers for Colorectal Cancer. <i>Journal of Clinical Oncology</i> , 2007, 25, 2696-2701.	1.6	174
11	Evaluation of Plasma Lysophospholipids for Diagnostic Significance Using Electrospray Ionization Mass Spectrometry (ESI-MS) Analyses. <i>Annals of the New York Academy of Sciences</i> , 2000, 905, 242-259.	3.8	150
12	Lysophospholipids are potential biomarkers of ovarian cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2004, 13, 1185-91.	2.5	143
13	An extremely simple method for extraction of lysophospholipids and phospholipids from blood samples. <i>Journal of Lipid Research</i> , 2010, 51, 652-659.	4.2	133
14	Hypoxia Enhances Lysophosphatidic Acid Responsiveness in Ovarian Cancer Cells and Lysophosphatidic Acid Induces Ovarian Tumor Metastasis In vivo. <i>Cancer Research</i> , 2006, 66, 7983-7990.	0.9	132
15	The role of LPA and YAP signaling in long-term migration of human ovarian cancer cells. <i>Cell Communication and Signaling</i> , 2013, 11, 31.	6.5	119
16	The Lysophosphatidic Acid Receptor LPA ₁ Promotes Epithelial Cell Apoptosis after Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012, 46, 355-364.	2.9	110
17	Caspase-3-dependent Activation of Calcium-independent Phospholipase A2 Enhances Cell Migration in Non-apoptotic Ovarian Cancer Cells. <i>Journal of Biological Chemistry</i> , 2006, 281, 29357-29368.	3.4	100
18	Novel Protein Disulfide Isomerase Inhibitor with Anticancer Activity in Multiple Myeloma. <i>Cancer Research</i> , 2016, 76, 3340-3350.	0.9	90

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19	Sphingosine-1-phosphate modulates growth and adhesion of ovarian cancer cells. <i>FEBS Letters</i> , 1999, 460, 513-518.	2.8	83
20	Effect of lysophospholipids on signaling in the human Jurkat T cell line. <i>Journal of Cellular Physiology</i> , 1995, 163, 441-450.	4.1	82
21	Ovarian Cancer G Protein Coupled Receptor 1, a New Metastasis Suppressor Gene in Prostate Cancer. <i>Journal of the National Cancer Institute</i> , 2007, 99, 1313-1327.	6.3	81
22	Abnormalities in Osteoclastogenesis and Decreased Tumorigenesis in Mice Deficient for Ovarian Cancer G Protein-Coupled Receptor 1. <i>PLoS ONE</i> , 2009, 4, e5705.	2.5	77
23	A novel laminin-induced lysophosphatidic acid autocrine loop in the migration of ovarian cancer cells. <i>FASEB Journal</i> , 2003, 17, 1-24.	0.5	75
24	Biology of LPA in health and disease. <i>Seminars in Cell and Developmental Biology</i> , 2004, 15, 503-512.	5.0	67
25	Fatty Acid Composition of Lysophosphatidic Acid and Lysophosphatidylinositol in Plasma from Patients with Ovarian Cancer and Other Gynecological Diseases. <i>Gynecologic Oncology</i> , 2001, 83, 25-30.	1.4	66
26	GPR4 plays a critical role in endothelial cell function and mediates the effects of sphingosylphosphorylcholine. <i>FASEB Journal</i> , 2005, 19, 1-27.	0.5	64
27	An LC-MS/MS method for simultaneous determination of curcumin, curcumin glucuronide and curcumin sulfate in a phase II clinical trial. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 156, 189-198.	2.8	61
28	Group VIA phospholipase A ₂ in both host and tumor cells is involved in ovarian cancer development. <i>FASEB Journal</i> , 2010, 24, 4103-4116.	0.5	58
29	S1P differentially regulates migration of human ovarian cancer and human ovarian surface epithelial cells. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 1993-2002.	4.1	57
30	Fatty acid synthase causes drug resistance by inhibiting TNF- α and ceramide production. <i>Journal of Lipid Research</i> , 2013, 54, 776-785.	4.2	55
31	From COX-2 inhibitor nimesulide to potent anti-cancer agent: Synthesis, in vitro, in vivo and pharmacokinetic evaluation. <i>European Journal of Medicinal Chemistry</i> , 2012, 47, 432-444.	5.5	53
32	Measurement of endogenous lysophosphatidic acid by ESI-MS/MS in plasma samples requires pre-separation of lysophosphatidylcholine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3739-3742.	2.3	51
33	Elevated and secreted phospholipase A ₂ activities as new potential therapeutic targets in human epithelial ovarian cancer. <i>FASEB Journal</i> , 2012, 26, 3306-3320.	0.5	51
34	5-Fluorouracil Enhances the Antitumor Activity of the Glutaminase Inhibitor CB-839 against PIK3CA-Mutant Colorectal Cancers. <i>Cancer Research</i> , 2020, 80, 4815-4827.	0.9	49
35	Fucosylation Deficiency in Mice Leads to Colitis and Adenocarcinoma. <i>Gastroenterology</i> , 2017, 152, 193-205.e10.	1.3	48
36	Unfolding the Pathophysiological Role of Bioactive Lysophospholipids. <i>Current Drug Targets Immune, Endocrine and Metabolic Disorders</i> , 2003, 3, 23-32.	1.8	44

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37	Lysophosphatidic acid stimulates cell migration, invasion, and colony formation as well as tumorigenesis/metastasis of mouse ovarian cancer in immunocompetent mice. <i>Molecular Cancer Therapeutics</i> , 2009, 8, 1692-1701.	4.1	42
38	Ovarian cancer G protein coupled receptor 1 suppresses cell migration of MCF7 breast cancer cells via a $Gi\pm<sub>12/13</sub>-Rho-Rac1$ pathway. <i>Journal of Molecular Signaling</i> , 2013, 8, 6.	0.5	41
39	FOXM1 is a downstream target of LPA and YAP oncogenic signaling pathways in high grade serous ovarian cancer. <i>Oncotarget</i> , 2015, 6, 27688-27699.	1.8	40
40	Lysophospholipid Signaling in the Epithelial Ovarian Cancer Tumor Microenvironment. <i>Cancers</i> , 2018, 10, 227.	3.7	38
41	Selective Determination of a Group of Organic Compounds in Complex Sample Matrixes by LC/MIMS with On-Line Immunoaffinity Extraction. <i>Analytical Chemistry</i> , 1998, 70, 931-935.	6.5	36
42	Reclaiming the Efficacy of β -Lactam β -Lactamase Inhibitor Combinations: Avibactam Restores the Susceptibility of CMY-2-Producing <i>Escherichia coli</i> to Ceftazidime. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 4290-4297.	3.2	35
43	Targeting Lysophosphatidic Acid in Cancer: The Issues in Moving from Bench to Bedside. <i>Cancers</i> , 2019, 11, 1523.	3.7	35
44	Unfolding the pathophysiological role of bioactive lysophospholipids. <i>Current Drug Targets Immune, Endocrine and Metabolic Disorders</i> , 2003, 3, 23-32.	1.8	33
45	Measurement of the anticancer agent gemcitabine and its deaminated metabolite at low concentrations in human plasma by liquid chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 802, 263-270.	2.3	31
46	Hypoxic conditions differentially regulate TAZ and YAP in cancer cells. <i>Archives of Biochemistry and Biophysics</i> , 2014, 562, 31-36.	3.0	30
47	RNF126 as a Biomarker of a Poor Prognosis in Invasive Breast Cancer and CHEK1 Inhibitor Efficacy in Breast Cancer Cells. <i>Clinical Cancer Research</i> , 2018, 24, 1629-1643.	7.0	30
48	The novel ZIP4 regulation and its role in ovarian cancer. <i>Oncotarget</i> , 2017, 8, 90090-90107.	1.8	27
49	Michaelis-Menten Analysis of Alkaline Phosphatase by Capillary Electrophoresis Using Plug-Plug Reaction. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1998, 21, 2781-2797.	1.0	25
50	Long-term antiviral efficacy of entecavir and liver histology improvement in Chinese patients with hepatitis B virus-related cirrhosis. <i>World Journal of Gastroenterology</i> , 2015, 21, 7869.	3.3	23
51	Combination Therapy of an Inhibitor of Group VIA Phospholipase A2 with Paclitaxel Is Highly Effective in Blocking Ovarian Cancer Development. <i>American Journal of Pathology</i> , 2011, 179, 452-461.	3.8	22
52	GPR68 Is a Neuroprotective Proton Receptor in Brain Ischemia. <i>Stroke</i> , 2020, 51, 3690-3700.	2.0	20
53	Plasma choline-containing phospholipids: potential biomarkers for colorectal cancer progression. <i>Metabolomics</i> , 2013, 9, 202-212.	3.0	19
54	Elevated Phospholipase A2 Activities in Plasma Samples from Multiple Cancers. <i>PLoS ONE</i> , 2013, 8, e57081.	2.5	18

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55	Capillary Electrophoresis. <i>Analytical Chemistry</i> , 1999, 71, 309-313.	6.5	16
56	OGR1/GPR68 Modulates the Severity of Experimental Autoimmune Encephalomyelitis and Regulates Nitric Oxide Production by Macrophages. <i>PLoS ONE</i> , 2016, 11, e0148439.	2.5	15
57	Tracking Decitabine Incorporation into Malignant Myeloid Cell DNA in vitro and in vivo by LC-MS/MS with Enzymatic Digestion. <i>Scientific Reports</i> , 2019, 9, 4558.	3.3	13
58	ZIP4 Is a Novel Cancer Stem Cell Marker in High-Grade Serous Ovarian Cancer. <i>Cancers</i> , 2020, 12, 3692.	3.7	12
59	Determination of fatty acid methyl esters derived from algae <i>Scenedesmus dimorphus</i> biomass by GC-MS with one-step esterification of free fatty acids and transesterification of glycerolipids. <i>Journal of Separation Science</i> , 2017, 40, 2214-2227.	2.5	11
60	Simultaneous determination of dihydrotestosterone and its metabolites in mouse sera by LC-MS/MS with chemical derivatization. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1090, 22-35.	2.3	11
61	ISOLATION AND QUANTITATION OF PLASMA LYSOPHOSPHATIDIC ACIDS BY SOLID-PHASE EXTRACTION AND CAPILLARY ELECTROPHORESIS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2002, 25, 843-855.	1.0	10
62	Tumor cell group via phospholipase A ₂ is involved in prostate cancer development. <i>Prostate</i> , 2011, 71, 373-384.	2.3	9
63	The Lipidomic Analyses in Low and Highly Aggressive Ovarian Cancer Cell Lines. <i>Lipids</i> , 2016, 51, 179-187.	1.7	8
64	Changes in mRNA/protein expression and signaling pathways in in vivo passaged mouse ovarian cancer cells. <i>PLoS ONE</i> , 2018, 13, e0197404.	2.5	8
65	Anti-Helicobacter pylori-associated gastritis effect of the ethyl acetate extract of <i>Alpinia officinarum</i> Hance through MAPK signaling pathway. <i>Journal of Ethnopharmacology</i> , 2020, 260, 113100.	4.1	8
66	Combined mass spectrometry-guided genome mining and virtual screening for acaricidal activity in secondary metabolites of <i>Bacillus velezensis</i> W1. <i>RSC Advances</i> , 2021, 11, 25441-25449.	3.6	8
67	A Novel ZIP4-HDAC4-VEGFA Axis in High-Grade Serous Ovarian Cancer. <i>Cancers</i> , 2021, 13, 3821.	3.7	8
68	Determination of Genistein and Daidzein in Human Plasma by Liquid Chromatography and Tandem Mass Spectrometry. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2004, 27, 481-499.	1.0	7
69	Microwave-assisted enzymatic hydrolysis of DNA for mass spectrometric analysis: A new strategy for accelerated hydrolysis. <i>Analytical Biochemistry</i> , 2018, 546, 28-34.	2.4	7
70	Response to Brosch et Al.. <i>Cell Metabolism</i> , 2012, 15, 267-269.	16.2	5
71	Determination of triapine, a ribonucleotide reductase inhibitor, in human plasma by liquid chromatography tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2015, 29, 1380-1387.	1.7	5
72	Unraveling the Molecular Mechanisms of Fructus Anisi Stellati as a Remedy for Infantile Colic by Network Pharmacology. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-9.	1.2	5

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73	Lipid Generation and Signaling in Ovarian Cancer. <i>Cancer Treatment and Research</i> , 2009, 149, 241-267.	0.5	5
74	Development and validation of LC-MS/MS method for quantitative determination of (δ^6)-securinine in mouse plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 960, 19-26.	2.3	3
75	The microenvironment reprograms circuits in tumor cells. <i>Molecular and Cellular Oncology</i> , 2015, 2, e969634.	0.7	3
76	MAGEA1 inhibits the expression of BORIS via increased promoter methylation. <i>Journal of Cell Science</i> , 2018, 132, .	2.0	3
77	A rapid and sensitive LC-MS/MS method for quantitative analysis of cardiolipin (18:2) ₄ in human leukocytes and mouse skeletal muscles. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 158, 386-394.	2.8	3
78	Onset of Telomere Dysfunction and Fusions in Human Ovarian Carcinoma. <i>Cells</i> , 2019, 8, 414.	4.1	3
79	A Simple and Quantitative Method for Analysis of Methoxyamine by Capillary Zone Electrophoresis. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2005, 28, 2433-2443.	1.0	2
80	Mediatorless Immunoassay with Voltage-Controlled Intrinsic Amplification for Ultrasensitive and Rapid Detection of Microorganism Pathogens. <i>ChemElectroChem</i> , 2014, 1, 741-746.	3.4	2
81	A New Strategy of Overcoming both Matrix Effect and Shortage of Reference Standards for Determination of Multi-components in the Rhizomes of <i>Alpinia officinarum</i> Hance Using UHPLC-MS/MS with Single Exogenous Internal Standard. <i>Food Analytical Methods</i> , 2020, 13, 1867-1878.	2.6	2
82	A Selective Fluorogenic Peptide Substrate for the Human Mitochondrial ATP-Dependent Protease Complex ClpXP. <i>ChemBioChem</i> , 2020, 21, 2037-2048.	2.6	2
83	"LPA Regulates SOX9 in Ovarian Cancer Cells. <i>Obstetrics & Gynecology Open Access</i> , 2017, 1, .	0.0	2
84	Quantitative Determination of Cannabinoid Receptor Antagonist Surinabant in Human Plasma by LC-UV and LC-ESI-MS/MS Methods. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009, 32, 2424-2436.	1.0	1
85	DEVELOPMENT OF A LIQUID CHROMATOGRAPHIC METHOD FOR QUANTITATIVE DETERMINATION OF TRIAPINE, A RIBONUCLEOTIDE REDUCTASE INHIBITOR, BY SPECTROPHOTOMETRIC STUDY OF TRIAPINE COMPLEXATION REACTION. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2014, 37, 1351-1372.	1.0	1
86	Determination of MLN0128, an investigational antineoplastic agent, in human plasma by LC-MS/MS. <i>Biomedical Chromatography</i> , 2017, 31, e3818.	1.7	1
87	Development and validation of an LC-MS/MS method for quantitative determination of GS87, a novel antineoplastic agent, in mouse plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 153, 145-151.	2.8	1
88	Analysis of oxygen-18 labeled phosphate to study positional isotope experiments using LC-QTOF-MS. <i>Analytical Biochemistry</i> , 2019, 566, 62-66.	2.4	1
89	Whole body deletion of Gpr68 does not change hematopoietic stem cell function. <i>Stem Cell Research</i> , 2020, 47, 101869.	0.7	1
90	Network-Based Pharmacology Study Reveals Protein Targets for Medical Benefits and Harms of Cannabinoids in Humans. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2205.	2.5	1

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91	Downregulation of Dihydrotestosterone and Estradiol Levels by HEXIM1. <i>Endocrinology</i> , 2022, 163, .	2.8	1
92	Correction: The role of LPA and YAP signaling in long-term migration of human ovarian cancer cells. <i>Cell Communication and Signaling</i> , 2013, 11, 92.	6.5	0
93	An LC-MS/MS method for determination of O ⁶ -methylguanine and its metabolite O ⁶ -methylthioguanine in human plasma. <i>Biomedical Chromatography</i> , 2020, 34, e4750.	1.7	0
94	A Proteolytic Site-Directed Affinity Label to Inhibit the Human ATP-Dependent Protease Caseinolytic Complex XP. <i>ChemBioChem</i> , 2020, 21, 2049-2059.	2.6	0
95	Abstract 3096: A novel ZIP4-NOTCH3-HDAC4 axis in ovarian cancer stem cells. , 2021, , .		0
96	Adoptive Transfer of Myeloid-Derived Suppressor Cells and T Cells in a Prostate Cancer Model. <i>Bio-protocol</i> , 2015, 5, .	0.4	0
97	Loss of Gpr68 Enhances Hematopoietic Stem Cell Function during Aging. <i>Blood</i> , 2019, 134, 3719-3719.	1.4	0