

Yan Xu

List of Publications by Year in descending order

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79
papers

2,690
citations

186265
28
h-index

182427
51
g-index

79
all docs

79
docs citations

79
times ranked

3951
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	DNMT1 Stability Is Regulated by Proteins Coordinating Deubiquitination and Acetylation-Driven Ubiquitination. <i>Science Signaling</i> , 2010, 3, ra80.	3.6	278
3	Oncogenic PIK3CA mutations reprogram glutamine metabolism in colorectal cancer. <i>Nature Communications</i> , 2016, 7, 11971.	12.8	203
4	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
5	Novel Protein Disulfide Isomerase Inhibitor with Anticancer Activity in Multiple Myeloma. <i>Cancer Research</i> , 2016, 76, 3340-3350.	0.9	90
6	Electrochemical enzyme immunoassay using sequential saturation technique in a 20- μ l capillary: digoxin as a model analyte. <i>Analytica Chimica Acta</i> , 1994, 287, 253-258.	5.4	88
7	Exploring the Role of a Conserved Class A Residue in the Ω -Loop of KPC-2 β -Lactamase. <i>Journal of Biological Chemistry</i> , 2012, 287, 31783-31793.	3.4	84
8	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
9	From COX-2 inhibitor nimesulide to potent anti-cancer agent: Synthesis, <i>in vitro</i> , <i>in vivo</i> and pharmacokinetic evaluation. <i>European Journal of Medicinal Chemistry</i> , 2012, 47, 432-444.	5.5	53
10	Understanding the Molecular Determinants of Substrate and Inhibitor Specificities in the Carbapenemase KPC-2: Exploring the Roles of Arg220 and Glu276. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 4428-4438.	3.2	51
11	5-Fluorouracil Enhances the Antitumor Activity of the Glutaminase Inhibitor CB-839 against <i>PIK3CA</i> -Mutant Colorectal Cancers. <i>Cancer Research</i> , 2020, 80, 4815-4827.	0.9	49
12	Fucosylation Deficiency in Mice Leads to Colitis and Adenocarcinoma. <i>Gastroenterology</i> , 2017, 152, 193-205.e10.	1.3	48
13	Liquid chromatography-mass spectrometry method for the analysis of the anti-cancer agent capecitabine and its nucleoside metabolites in human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 783, 273-285.	2.3	47
14	Capillary Electrophoretic Enzyme Immunoassay for Digoxin in Human Serum. <i>Analytical Chemistry</i> , 1995, 67, 3211-3218.	6.5	42
15	Indirect ultraviolet detection of biologically relevant organic acids by capillary electrophoresis. <i>Biomedical Applications</i> , 1996, 679, 49-59.	1.7	42
16	Design and Exploration of Novel Boronic Acid Inhibitors Reveals Important Interactions with a Clavulanic Acid-Resistant Sulfhydryl-Variable (SHV) β -Lactamase. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 1084-1097.	6.4	40
17	Tissue sample preparation in bioanalytical assays. <i>Bioanalysis</i> , 2012, 4, 741-749.	1.5	39
18	Rapid determination of serum melatonin by ESI-MS-MS with direct sample injection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 30, 781-790.	2.8	38

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19	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
20	Can Inhibitor-Resistant Substitutions in the Mycobacterium tuberculosis β -Lactamase BlaC Lead to Clavulanate Resistance?: a Biochemical Rationale for the Use of β -Lactamase Inhibitor Combinations. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 6085-6096.	3.2	35
21	Reclaiming the Efficacy of β -Lactamase Inhibitor Combinations: Avibactam Restores the Susceptibility of CMY-2-Producing Escherichia coli to Ceftazidime. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 4290-4297.	3.2	35
22	Determination of lysophosphatidic acids by capillary electrophoresis with indirect ultraviolet detection. <i>Biomedical Applications</i> , 2001, 753, 355-363.	1.7	34
23	Rapid analysis of docetaxel in human plasma by tandem mass spectrometry with on-line sample extraction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 36, 125-131.	2.8	34
24	Measurement of the anti-cancer agent gemcitabine in human plasma by high-performance liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 785, 65-72.	2.3	33
25	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
26	Identification of a Class of Novel Tubulin Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 3425-3435.	6.4	30
27	Synthesis and Anticancer Mechanism Investigation of Dual Hsp27 and Tubulin Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 5306-5320.	6.4	30
28	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
29	A phase 1 study of TRC102, an inhibitor of base excision repair, and pemetrexed in patients with advanced solid tumors. <i>Investigational New Drugs</i> , 2013, 31, 714-723.	2.6	28
30	Targeting radioresistant breast cancer cells by single agent CHK1 inhibitor via enhancing replication stress. <i>Oncotarget</i> , 2016, 7, 34688-34702.	1.8	27
31	Simultaneous determination of enantiomers of structurally related anticholinergic analogs in human serum by liquid chromatography-electrospray ionization mass spectrometry with on-line sample cleanup. <i>Biomedical Applications</i> , 2001, 762, 181-192.	1.7	26
32	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
33	A kinetic analysis of the inhibition of FOX-4 β -lactamase, a plasmid-mediated AmpC cephalosporinase, by monocyclic β -lactams and carbapenems. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 682-690.	3.0	24
34	Inhibition of uracil DNA glycosylase sensitizes cancer cells to 5-fluorodeoxyuridine through replication fork collapse-induced DNA damage. <i>Oncotarget</i> , 2016, 7, 59299-59313.	1.8	21
35	Determination of endocannabinoid receptor antagonist SR141716 (rimonabant) in plasma by liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 863, 258-265.	2.3	19
36	β -Lactamase Inhibition by 7-Alkylidenecephalosporin Sulfones: Allylic Transposition and Formation of an Unprecedented Stabilized Acyl-Enzyme. <i>Journal of the American Chemical Society</i> , 2013, 135, 18358-18369.	13.7	18

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37	Stereoselective determination of trihexyphenidyl in human serum by LC-ESI-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999, 21, 507-517.	2.8	17
38	Phase I clinical trial of the base excision repair inhibitor methoxyamine in combination with fludarabine for patients with advanced hematologic malignancies. <i>Oncotarget</i> , 2017, 8, 79864-79875.	1.8	15
39	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
40	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
41	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
42	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
43	Design and synthesis of a biotinylated probe of COX-2 inhibitor nimesulide analog JCC76. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 5324-5327.	2.2	10
44	Measurement of anti-cancer agent methoxyamine in plasma by tandem mass spectrometry with on-line sample extraction. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 795, 295-307.	2.3	9
45	Enhancing the performance of membrane introduction mass spectrometry by organic carrier and liquid chromatographic separation. <i>Analytica Chimica Acta</i> , 1997, 337, 165-172.	5.4	8
46	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
47	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
48	Development and Characterization of a Non-natural Nucleoside that Displays Anticancer Activity Against Solid Tumors. <i>ACS Chemical Biology</i> , 2013, 8, 2452-2465.	3.4	7
49	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
50	Determination of hexamethylene bisacetamide, an antineoplastic compound, in mouse and human plasma by LC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 2206-2212.	2.3	6
51	Voltage-controlled enzyme-catalyzed glucose-gluconolactone conversion using a field-effect enzymatic detector. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 20134.	2.8	6
52	Development and validation of an LC-MS/MS method for pharmacokinetic study of methoxyamine in phase I clinical trial. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 901, 25-33.	2.3	5
53	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
54	Unraveling the Molecular Mechanisms of <i>Fructus Anisi Stellati</i> 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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55	Phase I clinical trial of temozolomide and methoxyamine (TRC-102), an inhibitor of base excision repair, in patients with advanced solid tumors. <i>Investigational New Drugs</i> , 2021, 39, 142-151.	2.6	4
56	Development and validation of LC-MS/MS method for quantitative determination of (α)-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
57	Utilization of Mechanistic Enzymology to Evaluate the Significance of ADP Binding to Human Lon Protease. <i>Frontiers in Molecular Biosciences</i> , 2017, 4, 47.	3.5	3
58	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
59	A Phase II Study of Curcumin and Vitamin D in Previously Untreated Patients with Early Stage Chronic Lymphocytic Leukemia (CLL) or Small Lymphocytic Lymphoma (SLL). <i>Blood</i> , 2018, 132, 1875-1875.	1.4	3
60	Metabolomics analyses of traditional Chinese medicine formula Shuang Huang Lian by UHPLC-QTOF-MS/MS. <i>Chinese Medicine</i> , 2022, 17, .	4.0	3
61	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
62	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
63	A Selective Fluorogenic Peptide Substrate for the Human Mitochondrial ATP-Dependent Protease Complex ClpXP. <i>ChemBioChem</i> , 2020, 21, 2037-2048.	2.6	2
64	Abstract 1743: Phase I clinical trial of the base-excision repair inhibitor Methoxyamine-HCl (TRC102); Tj ETQq0 0 0 rgBT /Overlock 10 Tf 1743-1743.	0.9	2
65	Abstract 753: Pharmacokinetic profile of the base-excision repair inhibitor methoxyamine-HCl (TRC102); Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf clinical trial. , 2012, , .	0.9	2
66	Phase I Trial of the Base Excision Repair Blocker Methoxyamine (TRC-102) Combined with Fludarabine in Relapsed/Refractory Chronic Lymphocytic Leukemia (CLL) and Lymphoid Malignancies. <i>Blood</i> , 2014, 124, 4688-4688.	1.4	2
67	Phase I clinical trial of temozolomide and methoxyamine (TRC-102) in patients with advanced solid tumors.. <i>Journal of Clinical Oncology</i> , 2015, 33, 2558-2558.	1.6	2
68	Development and validation of an HPLC-UV method for the analysis of methoxyamine using 4-(diethylamino)benzaldehyde as a derivatizing agent. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 39, 724-729.	2.8	1
69	Determination of 6-benzylthioinosine in mouse and human plasma by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3871-3877.	2.3	1
70	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
71	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
72	Determination of MLN0128, an investigational antineoplastic agent, in human plasma by LC-MS/MS. <i>Biomedical Chromatography</i> , 2017, 31, e3818.	1.7	1

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73	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
74	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
75	Downregulation of Dihydrotestosterone and Estradiol Levels by HEXIM1. <i>Endocrinology</i> , 2022, 163, .	2.8	1
76	An LC-MS/MS method for determination of O 6 -benzylguanine and its metabolite O 6 -benzyl-oxoguanine in human plasma. <i>Biomedical Chromatography</i> , 2020, 34, e4750.	1.7	0
77	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
78	Abstract 5454: Drug effect analysis of methoxyamine through quantifying the drug on its therapeutic target. , 2011, , .		0
79	Abstract A104: Removal of uracil by uracil DNA glycosylase limits pemetrexed cytotoxicity: Overriding the limit with methoxyamine (TRC102) to inhibit base excision repair.. , 2011, , .		0