James R Fuchs

List of Publications by Year
in descending order

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88 papers	5,397 citations	57758 44 h-index	88630 70 g-index
97 all docs	97 docs citations	97 times ranked	6650 citing authors

#	Article	IF	Citations
1	Identification and Optimization of a Novel HIV-1 Integrase Inhibitor. ACS Omega, 2022, 7, 4482-4491.	3.5	4
2	PHY34 inhibits autophagy through V-ATPase V0A2 subunit inhibition and CAS/CSE1L nuclear cargo trafficking in high grade serous ovarian cancer. Cell Death and Disease, 2022, 13, 45.	6.3	10
3	Discovery of Anticancer Agents of Diverse Natural Origin. Journal of Natural Products, 2022, 85, 702-719.	3.0	19
4	Evaluation of Novel Quorum Sensing Inhibitors Targeting Auto-Inducer 2 (AI-2) for the Control of Avian Pathogenic Escherichia coli Infections in Chickens. Microbiology Spectrum, 2022, 10, e0028622.	3.0	11
5	Semisynthetic Derivatives of the Verticillin Class of Natural Products through Acylation of the C11 Hydroxy Group. ACS Medicinal Chemistry Letters, 2021, 12, 625-630.	2.8	11
6	Pentalinonsterol, a Phytosterol from Pentalinon andrieuxii, is Immunomodulatory through Phospholipase A2 in Macrophages toward its Antileishmanial Action. Cell Biochemistry and Biophysics, 2021, , 1.	1.8	2
7	Structural and mechanistic bases for a potent HIV-1 capsid inhibitor. Science, 2020, 370, 360-364.	12.6	114
8	Specialized metabolites of the United States lichen Niebla homalea and their antiproliferative activities. Phytochemistry, 2020, 180, 112521.	2.9	6
9	¹⁵N Stable Isotope Labeling and Comparative Metabolomics Facilitates Genome Mining in Cultured Cyanobacteria. ACS Chemical Biology, 2020, 15, 758-765.	3.4	21
10	STarFish: A Stacked Ensemble Target Fishing Approach and its Application to Natural Products. Journal of Chemical Information and Modeling, 2019, 59, 4906-4920.	5.4	27
11	Evaluation of synergy between host and pathogen-directed therapies against intracellular Leishmania donovani. International Journal for Parasitology: Drugs and Drug Resistance, 2019, 10, 125-132.	3.4	12
12	An Isoquinoline Scaffold as a Novel Class of Allosteric HIV-1 Integrase Inhibitors. ACS Medicinal Chemistry Letters, 2019, 10, 215-220.	2.8	18
13	Potential Anticancer Agents Characterized from Selected Tropical Plants. Journal of Natural Products, 2019, 82, 657-679.	3.0	48
14	Novel narrow spectrum benzyl thiophene sulfonamide derivatives to control Campylobacter. Journal of Antibiotics, 2019, 72, 555-565.	2.0	14
15	Site-Selective Câ€“H Functionalization of (Hetero)Arenes via Transient, Non-symmetric Iodanes. CheM, 2019, 5, 417-428.	11.7	80
16	Novel small molecule IL-6 inhibitor suppresses autoreactive Th17 development and promotes Treg development. Clinical and Experimental Immunology, 2019, 196, 215-225.	2.6	19
17	HIV-1 integrase tetramers are the antiviral target of pyridine-based allosteric integrase inhibitors. ELife, 2019, 8, .	6.0	41
18	Total Synthesis of Scytonemide A Employing Weinreb AM Solid-Phase Resin. Journal of Natural Products, 2018, 81, 534-542.	3.0	11

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19	Synthesis and antiproliferative activity of derivatives of the phyllanthusmin class of arylnaphthalene lignan lactones. Bioorganic and Medicinal Chemistry, 2018, 26, 2354-2364.	3.0	21
20	Identification of a Small Molecule Anti-biofilm Agent Against Salmonella enterica. Frontiers in Microbiology, 2018, 9, 2804.	3.5	23
21	Calothrixamides A and B from the Cultured Cyanobacterium Calothrix sp. UIC 10520. Journal of Natural Products, 2018, 81, 2083-2090.	3.0	9
22	Phyllanthusmin Derivatives Induce Apoptosis and Reduce Tumor Burden in High-Grade Serous Ovarian Cancer by Late-Stage Autophagy Inhibition. Molecular Cancer Therapeutics, 2018, 17, 2123-2135.	4.1	24
23	Resistance to pyridine-based inhibitor KF116 reveals an unexpected role of integrase in HIV-1 Gag-Pol polyprotein proteolytic processing. Journal of Biological Chemistry, 2017, 292, 19814-19825.	3.4	31
24	Pentalinonsterol, a Constituent of Pentalinon andrieuxii, Possesses Potent Immunomodulatory Activity and Primes T Cell Immune Responses. Journal of Natural Products, 2017, 80, 2515-2523.	3.0	10
25	Novel Anti-Campylobacter Compounds Identified Using High Throughput Screening of a Pre-selected Enriched Small Molecules Library. Frontiers in Microbiology, 2016, 7, 405.	3.5	24
26	A New Class of Allosteric HIV-1 Integrase Inhibitors Identified by Crystallographic Fragment Screening of the Catalytic Core Domain. Journal of Biological Chemistry, 2016, 291, 23569-23577.	3.4	20
27	Computational and synthetic approaches for developing Lavendustin B derivatives as allosteric inhibitors of HIV-1 integrase. European Journal of Medicinal Chemistry, 2016, 123, 673-683.	5.5	10
28	HIV-1 Integrase Binds the Viral RNA Genome and Is Essential during Virion Morphogenesis. Cell, 2016, 166, 1257-1268.e12.	28.9	110
29	Indole-based allosteric inhibitors of HIV-1 integrase. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 4748-4752.	2.2	28
30	Allosteric HIVâ€1 integrase inhibitors promote aberrant protein multimerization by directly mediating interâ€subunit interactions: Structural and thermodynamic modeling studies. Protein Science, 2016, 25, 1911-1917.	7.6	30
31	Insertional Mutagenesis Identifies a STAT3/Arid1b/Î²-catenin Pathway Driving Neurofibroma Initiation. Cell Reports, 2016, 14, 1979-1990.	6.4	55
32	The Competitive Interplay between Allosteric HIV-1 Integrase Inhibitor BI/D and LEDGF/p75 during the Early Stage of HIV-1 Replication Adversely Affects Inhibitor Potency. ACS Chemical Biology, 2016, 11, 1313-1321.	3.4	29
33	Preclinical In Vitro, In Vivo, and Pharmacokinetic Evaluations of FLLL12 for the Prevention and Treatment of Head and Neck Cancers. Cancer Prevention Research, 2016, 9, 63-73.	1.5	9
34	Overcoming chemo/radio-resistance of pancreatic cancer by inhibiting STAT3 signaling. Oncotarget, 2016, 7, 11708-11723.	1.8	58
35	Discovery of Anticancer Agents of Diverse Natural Origin. Anticancer Research, 2016, 36, 5623-5638.	1.1	94
36	Inhibition of the JAK2/STAT3 signaling pathway exerts a therapeutic effect on osteosarcoma. Molecular Medicine Reports, 2015, 12, 498-502.	2.4	37

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37	Discovery of novel small molecule modulators of Clavibacter michiganensis subsp. michiganensis. Frontiers in Microbiology, 2015, 6, 1127.	3.5	18
38	Trichormamides C and D, antiproliferative cyclic lipopeptides from the cultured freshwater cyanobacterium cf. Oscillatoria sp. UIC 10045. Bioorganic and Medicinal Chemistry, 2015, 23, 3153-3162.	3.0	22
39	Cytotoxic and natural killer cell stimulatory constituents of Phyllanthus songboiensis. Phytochemistry, 2015, 111, 132-140.	2.9	36
40	Distribution and Redistribution of HIV-1 Nucleocapsid Protein in Immature, Mature, and Integrase-Inhibited Virions: a Role for Integrase in Maturation. Journal of Virology, 2015, 89, 9765-9780.	3.4	91
41	FLLL12 induces apoptosis in lung cancer cells through a p53/p73-independent but death receptor 5-dependent pathway. Cancer Letters, 2015, 363, 166-175.	7.2	13
42	A Novel Sterol Isolated from a Plant Used by Mayan Traditional Healers Is Effective in Treatment of Visceral Leishmaniasis Caused by Leishmania donovani. ACS Infectious Diseases, 2015, 1, 497-506.	3.8	18
43	EGFRâ€“STAT3 signaling promotes formation of malignant peripheral nerve sheath tumors. Oncogene, 2014, 33, 173-180.	5.9	75
44	A New Class of Multimerization Selective Inhibitors of HIV-1 Integrase. PLoS Pathogens, 2014, 10, e1004171.	4.7	112
45	The mechanism of H171T resistance reveals the importance of NÎ´-protonated His171 for the binding of allosteric inhibitor BI-D to HIV-1 integrase. Retrovirology, 2014, 11, 100.	2.0	39
46	Rocaglamide, silvestrol and structurally related bioactive compounds from Aglaia species. Natural Product Reports, 2014, 31, 924-939.	10.3	108
47	Trichormamides A and B with Antiproliferative Activity from the Cultured Freshwater Cyanobacterium Trichormus sp. UIC 10339. Journal of Natural Products, 2014, 77, 1871-1880.	3.0	31
48	TALEN Knockout of the PSIP1 Gene in Human Cells: Analyses of HIV-1 Replication and Allosteric Integrase Inhibitor Mechanism. Journal of Virology, 2014, 88, 9704-9717.	3.4	63
49	A Critical Role of the C-terminal Segment for Allosteric Inhibitor-induced Aberrant Multimerization of HIV-1 Integrase. Journal of Biological Chemistry, 2014, 289, 26430-26440.	3.4	28
50	Potent Cytotoxic Arylnaphthalene Lignan Lactones from Phyllanthus poilanei. Journal of Natural Products, 2014, 77, 1494-1504.	3.0	65
51	Pro-growth role of the JMJD2C histone demethylase in HCT-116 colon cancer cells and identification of curcuminoids as JMJD2 inhibitors. American Journal of Translational Research (discontinued), 2014, 6, 236-47.	0.0	39
52	Phosphoproteomic analysis of anaplastic lymphoma kinase (<scp>ALK</scp>) downstream signaling pathways identifies signal transducer and activator of transcriptionÂ3 as a functional target of activated <scp>ALK</scp> in neuroblastoma cells. FEBS Journal, 2013, 280, 5269-5282.	4.7	35
53	Bioactive Flavaglines and Other Constituents Isolated from Aglaia perviridis. Journal of Natural Products, 2013, 76, 394-404.	3.0	63
54	Pancreatic Cancer-Associated Stellate Cells Promote Differentiation of Myeloid-Derived Suppressor Cells in a STAT3-Dependent Manner. Cancer Research, 2013, 73, 3007-3018.	0.9	340

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55	HAb18G/CD147 Promotes pSTAT3-Mediated Pancreatic Cancer Development via CD44s. Clinical Cancer Research, 2013, 19, 6703-6715.	7.0	65
56	Allosteric integrase inhibitor potency is determined through the inhibition of HIV-1 particle maturation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8690-8695.	7.1	178
57	The A128T Resistance Mutation Reveals Aberrant Protein Multimerization as the Primary Mechanism of Action of Allosteric HIV-1 Integrase Inhibitors. Journal of Biological Chemistry, 2013, 288, 15813-15820.	3.4	85
58	HRP2 determines the efficiency and specificity of HIV-1 integration in LEDGF/p75 knockout cells but does not contribute to the antiviral activity of a potent LEDGF/p75-binding site integrase inhibitor. Nucleic Acids Research, 2012, 40, 11518-11530.	14.5	86
59	Sterols with antileishmanial activity isolated from the roots of Pentalinon andrieuxii. Phytochemistry, 2012, 82, 128-135.	2.9	49
60	Use of the Hollow Fiber Assay for the Discovery of Novel Anticancer Agents from Fungi. Methods in Molecular Biology, 2012, 944, 267-277.	0.9	6
61	Multimode, Cooperative Mechanism of Action of Allosteric HIV-1 Integrase Inhibitors. Journal of Biological Chemistry, 2012, 287, 16801-16811.	3.4	167
62	Small molecules, LLL12 and FLLL32, inhibit STAT3 and exhibit potent growth suppressive activity in osteosarcoma cells and tumor growth in mice. Investigational New Drugs, 2012, 30, 916-926.	2.6	67
63	Structurally Modified Curcumin Analogs Inhibit STAT3 Phosphorylation and Promote Apoptosis of Human Renal Cell Carcinoma and Melanoma Cell Lines. PLoS ONE, 2012, 7, e40724.	2.5	80
64	Targeting colon cancer stem cells using a new curcumin analogue, GO-Y030. British Journal of Cancer, 2011, 105, 212-220.	6.4	137
65	Cytotoxic and NF-Î¹B Inhibitory Constituents of the Stems of Cratoxylum cochinchinense and Their Semisynthetic Analogues. Journal of Natural Products, 2011, 74, 1117-1125.	3.0	57
66	STAT3 signaling pathway is necessary for cell survival and tumorsphere forming capacity in ALDH+/CD133+ stem cell-like human colon cancer cells. Biochemical and Biophysical Research Communications, 2011, 416, 246-251.	2.1	112
67	Sensitization of Head and Neck Cancer to Cisplatin Through the Use of a Novel Curcumin Analog. JAMA Otolaryngology, 2011, 137, 499.	1.2	40
68	The novel curcumin analog FLLL32 decreases STAT3 DNA binding activity and expression, and induces apoptosis in osteosarcoma cell lines. BMC Cancer, 2011, 11, 112.	2.6	83
69	Two small molecule compounds, LLL12 and FLLL32, exhibit potent inhibitory activity on STAT3 in human rhabdomyosarcoma cells. International Journal of Oncology, 2011, 38, 279-85.	3.9	18
70	A liquid chromatographyâ€“tandem mass spectrometric method for quantification of curcuminoids in cell medium and mouse plasma. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 3045-3051.	2.3	48
71	Novel STAT3 Phosphorylation Inhibitors Exhibit Potent Growth-Suppressive Activity in Pancreatic and Breast Cancer Cells. Cancer Research, 2010, 70, 2445-2454.	0.9	211
72	The small molecule curcumin analog FLLL32 induces apoptosis in melanoma cells via STAT3 inhibition and retains the cellular response to cytokines with anti-tumor activity. Molecular Cancer, 2010, 9, 165.	19.2	106

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73	IL-6, a risk factor for hepatocellular carcinoma: FLLL32 inhibits IL-6-Induced STAT3 phosphorylation in human hepatocellular cancer cells. Cell Cycle, 2010, 9, 3423-3427.	2.6	65
74	Modulation of DNA Methylation by a Sesquiterpene Lactone Parthenolide. Journal of Pharmacology and Experimental Therapeutics, 2009, 329, 505-514.	2.5	133
75	Curcumin induces proapoptotic effects against human melanoma cells and modulates the cellular response to immunotherapeutic cytokines. Molecular Cancer Therapeutics, 2009, 8, 2726-2735.	4.1	90
76	New structural analogues of curcumin exhibit potent growth suppressive activity in human colorectal carcinoma cells. BMC Cancer, 2009, 9, 99.	2.6	82
77	New curcumin analogues exhibit enhanced growthâ€suppressive activity and inhibit AKT and signal transducer and activator of transcription 3 phosphorylation in breast and prostate cancer cells. Cancer Science, 2009, 100, 1719-1727.	3.9	82
78	Structureâ€“activity relationship studies of curcumin analogues. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 2065-2069.	2.2	105
79	Curcumin analogues exhibit enhanced growth suppressive activity in human pancreatic cancer cells. Anti-Cancer Drugs, 2009, 20, 444-449.	1.4	57
80	Intramolecular Dielsâ^'Alder/1,3-Dipolar Cycloaddition Cascade of 1,3,4-Oxadiazoles. Journal of the American Chemical Society, 2006, 128, 10589-10595.	13.7	111
81	Indol-2-one Intermediates:â€‰ Mechanistic Evidence and Synthetic Utility. Total Syntheses of (Â±)-Flustramines A and C. Organic Letters, 2005, 7, 677-680.	4.6	112
82	Total Synthesis of (Â±)-Perophoramidine. Journal of the American Chemical Society, 2004, 126, 5068-5069.	13.7	175
83	Preparation and Cyclization of 2-Amidoacroleins: Application to the Synthesis of Alkaloid Natural Products. , 2003, , 153.		0
84	Intramolecular Electrophilic Aromatic Substitution Reactions of 2-Amidoacroleins:â€‰ A New Method for the Preparation of Tetrahydroisoquinolines, Tetrahydro-3-benzazepines, and Hexahydro-3-benzazocines. Organic Letters, 2001, 3, 3349-3351.	4.6	39
85	Total Synthesis of (Â±)-Lennoxamine and (Â±)-Aphanorphine by Intramolecular Electrophilic Aromatic Substitution Reactions of 2-Amidoacroleins. Organic Letters, 2001, 3, 3923-3925.	4.6	104
86	Reactions of SmI2with Alkyl Halides and Ketones:Â Inner-Sphere vs Outer-Sphere Electron Transfer in Reactions of Sm(II) Reductants. Journal of the American Chemical Society, 2000, 122, 7718-7722.	13.7	170
87	The effect of cosolvent on the reducing power of SmI2 in tetrahydrofuran. Tetrahedron Letters, 1998, 39, 4429-4432.	1.4	103
88	The effect of lithium bromide and lithium chloride on the reactivity of SmI2 in THF. Tetrahedron Letters, 1997, 38, 8157-8158.	1.4	88