Vincent C O Njar

List of Publications by Year
in descending order

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86 papers	8,917 citations	117625 34 h-index	54911 84 g-index
92 all docs	92 docs citations	92 times ranked	17424 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Regulation of androgen receptor activity by tyrosine phosphorylation. Cancer Cell, 2006, 10, 309-319.	16.8	325
3	Novel C-17-Heteroaryl Steroidal CYP17 Inhibitors/Antiandrogens:Â Synthesis, in Vitro Biological Activity, Pharmacokinetics, and Antitumor Activity in the LAPC4 Human Prostate Cancer Xenograft Model. Journal of Medicinal Chemistry, 2005, 48, 2972-2984.	6.4	228
4	Targeting cytochrome P450 enzymes: A new approach in anti-cancer drug development. Bioorganic and Medicinal Chemistry, 2007, 15, 5047-5060.	3.0	228
5	Mechanistic studies on aromatase and related Cî—¸C bond cleaving P-450 enzymes. Journal of Steroid Biochemistry and Molecular Biology, 1993, 44, 375-387.	2.5	188
6	CYP17 inhibitors for prostate cancer therapy. Journal of Steroid Biochemistry and Molecular Biology, 2011, 125, 23-31.	2.5	177
7	Promise and challenges in drug discovery and development of hybrid anticancer drugs. Expert Opinion on Drug Discovery, 2009, 4, 1099-1111.	5.0	164
8	Discovery and Development of Galeterone (TOK-001 or VN/124-1) for the Treatment of All Stages of Prostate Cancer. Journal of Medicinal Chemistry, 2015, 58, 2077-2087.	6.4	164
9	Androgen receptor inactivation contributes to antitumor efficacy of 17Î±-hydroxylase/17,20-lyase inhibitor 3Î²-hydroxy-17-(1H-benzimidazole-1-yl)androsta-5,16-diene in prostate cancer. Molecular Cancer Therapeutics, 2008, 7, 2348-2357.	4.1	137
10	Retinoic acid metabolism blocking agents (RAMBAs) for treatment of cancer and dermatological diseases. Bioorganic and Medicinal Chemistry, 2006, 14, 4323-4340.	3.0	132
11	Novel 17-Azolyl Steroids, Potent Inhibitors of Human Cytochrome 17Î±-Hydroxylase-C17,20-lyase (P45017Î±):Â Potential Agents for the Treatment of Prostate Cancer. Journal of Medicinal Chemistry, 1998, 41, 902-912.	6.4	117
12	Aromatase inhibitors and their application in breast cancer treatmentÃ¢Â‹Â†. Steroids, 2000, 65, 171-179.	1.8	105
13	A New Simple and High-Yield Synthesis of Suberoylanilide Hydroxamic Acid and Its Inhibitory Effect Alone or in Combination with Retinoids on Proliferation of Human Prostate Cancer Cells. Journal of Medicinal Chemistry, 2005, 48, 5047-5051.	6.4	98
14	Systematic Structure Modifications of Multitarget Prostate Cancer Drug Candidate Galeterone To Produce Novel Androgen Receptor Down-Regulating Agents as an Approach to Treatment of Advanced Prostate Cancer. Journal of Medicinal Chemistry, 2013, 56, 4880-4898.	6.4	92
15	Galeterone and VNPT55 induce proteasomal degradation of AR/AR-V7, induce significant apoptosis via cytochrome c release and suppress growth of castration resistant prostate cancer xenograftsin vivo. Oncotarget, 2015, 6, 27440-27460.	1.8	91
16	Aromatase inhibitors in advanced breast cancer: mechanism of action and clinical implications. Journal of Steroid Biochemistry and Molecular Biology, 1998, 66, 1-10.	2.5	86
17	Three Dimensional Pharmacophore Modeling of Human CYP17 Inhibitors. Potential Agents for Prostate Cancer Therapy. Journal of Medicinal Chemistry, 2003, 46, 2345-2351.	6.4	86
18	Competitive Antagonism between the Nicotinic Allosteric Potentiating Ligand Galantamine and Kynurenic Acid at Iα7* Nicotinic Receptors. Journal of Pharmacology and Experimental Therapeutics, 2007, 322, 48-58.	2.5	77

#	ARTICLE	IF	CITATIONS
19	Comprehensive Pharmacology and Clinical Efficacy of Aromatase Inhibitors. Drugs, 1999, 58, 233-255.	10.9	75
20	Methyl Angolensate: The Antiulcer Agent of the Stem Bark ofEntandrophragma angolense. Planta Medica, 1995, 61, 91-92.	1.3	70
21	Pregnenolone stimulates LNCaP prostate cancer cell growth via the mutated androgen receptor. Journal of Steroid Biochemistry and Molecular Biology, 2000, 75, 1-10.	2.5	67
22	Synthesis and biological evaluations of putative metabolically stable analogs of VN/124-1 (TOK-001): Head to head anti-tumor efficacy evaluation of VN/124-1 (TOK-001) and abiraterone in LAPC-4 human prostate cancer xenograft model. Steroids, 2011, 76, 1268-1279.	1.8	67
23	17Î±-Hydroxylase/17,20 lyase inhibitor VN/124-1 inhibits growth of androgen-independent prostate cancer cells via induction of the endoplasmic reticulum stress response. Molecular Cancer Therapeutics, 2008, 7, 2828-2836.	4.1	64
24	Synergistic effect of a novel antiandrogen, VN/124-1, and signal transduction inhibitors in prostate cancer progression to hormone independence in vitro. Molecular Cancer Therapeutics, 2008, 7, 121-132.	4.1	55
25	First Mnks degrading agents block phosphorylation of eIF4E, induce apoptosis, inhibit cell growth, migration and invasion in triple negative and Her2-overexpressing breast cancer cell lines. Oncotarget, 2014, 5, 530-543.	1.8	52
26	4-Pregnen-21-ol-3,20-dione-21-(4-bromobenzenesufonate) (NSC 88915) and Related Novel Steroid Derivatives as Tyrosyl-DNA Phosphodiesterase (Tdp1) Inhibitors. Journal of Medicinal Chemistry, 2009, 52, 7122-7131.	6.4	50
27	Novel Retinoic Acid Metabolism Blocking Agents Endowed with Multiple Biological Activities Are Efficient Growth Inhibitors of Human Breast and Prostate Cancer Cells in Vitro and a Human Breast Tumor Xenograft in Nude Mice. Journal of Medicinal Chemistry, 2004, 47, 6716-6729.	6.4	48
28	Improved synthesis of histone deacetylase inhibitors (HDIs) (MS-275 and CI-994) and inhibitory effects of HDIs alone or in combination with RAMBAs or retinoids on growth of human LNCaP prostate cancer cells and tumor xenografts. Bioorganic and Medicinal Chemistry, 2008, 16, 3352-3360.	3.0	48
29	20-Amino and 20,21-aziridinyl pregnene steroids: Development of potent inhibitors of 17Î±-hydroxylase/C17,20-lyase (P450 17). Bioorganic and Medicinal Chemistry, 1996, 4, 1447-1453.	3.0	42
30	Synthesis and evaluation of novel 17-indazole androstene derivatives designed as CYP17 inhibitors. Steroids, 2007, 72, 939-948.	1.8	42
31	Structure-Based Screen Identifies a Potent Small Molecule Inhibitor of Stat5a/b with Therapeutic Potential for Prostate Cancer and Chronic Myeloid Leukemia. Molecular Cancer Therapeutics, 2015, 14, 1777-1793.	4.1	42
32	The combination of the histone deacetylase inhibitor vorinostat and synthetic triterpenoids reduces tumorigenesis in mouse models of cancer. Carcinogenesis, 2013, 34, 199-210.	2.8	41
33	Nucleophilic vinylic â€œaddition-eliminationâ€•substitution reaction of 3Î²-acetoxy-17-chloro-16-formylandrosta-5,16-diene: A novel and general route to 17-substituted steroids. Part 1 - synthesis of novel 17-azolyl-Î”16 steroids; inhibitors of 17Î±-hydroxylase/17, 20-lyase (17Î±-lyase). Bioorganic and Medicinal Chemistry Letters, 1996, 6, 2777-2782.	2.2	40
34	Galeterone and <scp>VNPT</scp>55 disrupt Mnkâ€<scp>eIF</scp>4E to inhibit prostate cancer cell migration and invasion. FEBS Journal, 2016, 283, 3898-3918.	4.7	39
35	Design, Synthesis, and Evaluation of Novel Mutual Prodrugs (Hybrid Drugs) of All-trans-Retinoic Acid and Histone Deacetylase Inhibitors with Enhanced Anticancer Activities in Breast and Prostate Cancer Cells in Vitro. Journal of Medicinal Chemistry, 2008, 51, 3895-3904.	6.4	37
36	Dissecting major signaling pathways in prostate cancer development and progression: Mechanisms and novel therapeutic targets. Journal of Steroid Biochemistry and Molecular Biology, 2017, 166, 16-27.	2.5	35

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37	Antifertility Activity ofQuassia amara: Quassin Inhibits the Steroidogenesis in Rat Leydig CellsIn Vitro. Planta Medica, 1995, 61, 180-182.	1.3	34
38	High-Yield Synthesis of Novel Imidazoles and Triazoles from Alcohols and Phenols. Synthesis, 2000, 2000, 2019-2028.	2.3	33
39	Novel, potent anti-androgens of therapeutic potential: recent advances and promising developments. Future Medicinal Chemistry, 2010, 2, 667-680.	2.3	33
40	The retinamide <scp>VNLG</scp>â€152 inhibits <scp>fâ€AR</scp>/<scp>AR</scp>â€V7 and <scp>MNK</scp>â€“<scp>eIF</scp>4E signaling pathways to suppress <scp>EMT</scp> and castrationâ€resistant prostate cancer xenograft growth. FEBS Journal, 2018, 285, 1051-1063.	4.7	33
41	Synthesis of 6-hydroximino-3-oxo steroids, a new class of aromatase inhibitor. Journal of the Chemical Society Perkin Transactions 1, 1992, , 585.	0.9	32
42	2-Methoxycanthin-6-one: A New Alkaloid from the Stem Wood ofQuassia amara. Planta Medica, 1993, 59, 259-261.	1.3	32
43	Novel C-4 Heteroaryl 13-cis-Retinamide Mnk/AR Degrading Agents Inhibit Cell Proliferation and Migration and Induce Apoptosis in Human Breast and Prostate Cancer Cells and Suppress Growth of MDA-MB-231 Human Breast and CWR22Rv1 Human Prostate Tumor Xenografts in Mice. Journal of Medicinal Chemistry, 2015, 58, 1900-1914.	6.4	31
44	Cytochrome P450c17-ExpressingEscherichia colias a First-Step Screening System for 17Î±-Hydroxylase-C17,20-lyase Inhibitors. Analytical Biochemistry, 1999, 267, 319-330.	2.4	28
45	The Coffey Lecture: Steroidogenic enzyme inhibitors and hormone dependent cancer. Urologic Oncology: Seminars and Original Investigations, 2009, 27, 53-63.	1.6	28
46	Effects of Novel Retinoic Acid Metabolism Blocking Agent (VN/14-1) on Letrozole-Insensitive Breast Cancer Cells. Cancer Research, 2006, 66, 11485-11493.	0.9	27
47	First pharmacophore-based identification of androgen receptor down-regulating agents: Discovery of potent anti-prostate cancer agents. Bioorganic and Medicinal Chemistry, 2007, 15, 3413-3421.	3.0	27
48	Potent anti-prostate cancer agents derived from a novel androgen receptor down-regulating agent. Bioorganic and Medicinal Chemistry, 2008, 16, 3519-3529.	3.0	27
49	Potent inhibition of retinoic acid metabolism enzyme(s) by novel azolyl retinoids. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 1905-1908.	2.2	25
50	Synthesis of novel C17 steroidal carbamates. Steroids, 2008, 73, 1217-1227.	1.8	25
51	Simultaneous targeting of androgen receptor (AR) and MAPK-interacting kinases (MNKs) by novel retinamides inhibits growth of human prostate cancer cell lines. Oncotarget, 2015, 6, 3195-3210.	1.8	25
52	Transcriptome profiling reveals that VNPP433â€3Î², the lead nextâ€generation galeterone analog inhibits prostate cancer stem cells by downregulating epithelialâ€“mesenchymal transition and stem cell markers. Molecular Carcinogenesis, 2022, 61, 643-654.	2.7	25
53	Potent CYP17 inhibitors: improved syntheses, pharmacokinetics and anti-tumor activity in the LNCaP human prostate cancer model. Journal of Steroid Biochemistry and Molecular Biology, 2004, 92, 155-165.	2.5	23
54	Targeting of protein translation as a new treatment paradigm for prostate cancer. Current Opinion in Oncology, 2017, 29, 210-220.	2.4	20

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55	Galeterone and The Next Generation Galeterone Analogs, VNPP414 and VNPP433-3Î² Exert Potent Therapeutic Effects in Castration-/Drug-Resistant Prostate Cancer Preclinical Models In Vitro and In Vivo. Cancers, 2019, 11, 1637.	3.7	20
56	Identification of Novel Steroidal Androgen Receptor Degrading Agents Inspired by Galeterone 3Î²-Imidazole Carbamate. ACS Medicinal Chemistry Letters, 2016, 7, 708-713.	2.8	19
57	Autophagy Inhibition Synergistically Enhances Anticancer Efficacy of RAMBA, VN/12-1 in SKBR-3 Cells, and Tumor Xenografts. Molecular Cancer Therapeutics, 2012, 11, 898-908.	4.1	18
58	The Novel Mnk1/2 Degrader and Apoptosis Inducer VNLG-152 Potently Inhibits TNBC Tumor Growth and Metastasis. Cancers, 2019, 11, 299.	3.7	18
59	Synthesis of novel 21-trifluoropregnane steroids: Inhibitors of 17Î±-hydroxylase/17,20-lyase (17Î±-lyase). Steroids, 1997, 62, 468-473.	1.8	17
60	First chemical feature-based pharmacophore modeling of potent retinoidal retinoic acid metabolism blocking agents (RAMBAs): Identification of novel RAMBA scaffolds. European Journal of Medicinal Chemistry, 2012, 47, 412-423.	5.5	15
61	Galeterone and its analogs inhibit Mnk-eIF4E axis, synergize with gemcitabine, impede pancreatic cancer cell migration, invasion and proliferation and inhibit tumor growth in mice. Oncotarget, 2017, 8, 52381-52402.	1.8	14
62	Retinoids in Clinical Use. Medicinal Chemistry, 2006, 2, 431-438.	1.5	12
63	A new simple and high-yield synthesis of 5Î±-dihydrotestosterone (DHT), a potent androgen receptor agonist. Steroids, 2012, 77, 1530-1534.	1.8	11
64	Concerning the pathway from 19-oxoandrost-4-ene-3,17-dione to estrone. Steroids, 1987, 50, 347-362.	1.8	10
65	Synthesis of 10Î²-(1â€²-azirinyl)estr-4-en-3,17-dione as an aromatase inhibitor. Steroids, 1996, 61, 138-143.	1.8	10
66	Novel galeterone analogs act independently of AR and AR-V7 for the activation of the unfolded protein response and induction of apoptosis in the CWR22Rv1 prostate cancer cell model. Oncotarget, 2017, 8, 88501-88516.	1.8	10
67	Evaluation of 6,7-Aziridinyl Steroids and Related Compounds as Inhibitors of Aromatase (P-450arom). Journal of Enzyme Inhibition and Medicinal Chemistry, 1995, 9, 195-202.	0.5	9
68	New Insights into the Androgen-Targeted Therapies and Epigenetic Therapies in Prostate Cancer. Prostate Cancer, 2011, 2011, 1-13.	0.6	9
69	Murine toxicology and pharmacokinetics of novel retinoic acid metabolism blocking agents. Cancer Chemotherapy and Pharmacology, 2007, 60, 899-905.	2.3	8
70	Improved Procedures for Gram-Scale Synthesis of Galeterone 3Î²-Imidazole and Galeterone 3Î²-Pyridine Methoxylate, Potent Androgen Receptor/Mnk Degrading Agents. Organic Process Research and Development, 2016, 20, 1654-1661.	2.7	8
71	Development of Benzimidazole Compounds for Cancer Therapy. , 0, , .		8
72	Novel deuterated Mnk1/2 protein degrader VNLG-152R analogs: Synthesis, In vitro Anti-TNBC activities and pharmacokinetics in mice. European Journal of Medicinal Chemistry, 2022, 238, 114441.	5.5	7

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73	VN/14-1 induces ER stress and autophagy in HP-LTLC human breast cancer cells and has excellent oral pharmacokinetic profile in female Sprague Dawley rats. European Journal of Pharmacology, 2014, 734, 98-104.	3.5	6
74	Quantification of a novel retinoic acid metabolism inhibitor, 4-(1H-imidazol-1-yl)retinoic acid (VN/14-1RA) and other retinoids in rat plasma by liquid chromatography with diode-array detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 810, 203-208.	2.3	6
75	Quantification of a novel retinoic acid metabolism inhibitor, 4-(1H-imidazol-1-yl)retinoic acid (VN/14-1RA) and other retinoids in rat plasma by liquid chromatography with diode-array detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 810, 203-208.	2.3	5
76	Pharmacokinetics of novel inhibitors of androgen synthesis after intravenous administration in mice. Cancer Chemotherapy and Pharmacology, 2003, 51, 519-524.	2.3	4
77	Murine toxicology and pharmacokinetics evaluation of retinoic acid metabolism blocking agent (RAMBA), VN/12-1. Cancer Chemotherapy and Pharmacology, 2012, 70, 339-344.	2.3	4
78	Anti-tumor effects of a novel retinoic acid metabolism blocking agent VN/14-1 in the N-methyl-N-nitrosourea-induced rat mammary carcinoma model and its effects on the uterus. Breast Cancer Research and Treatment, 2012, 133, 137-144.	2.5	4
79	Large-scale synthesis of galeterone and lead next generation galeterone analog VNPP433-3Î². Steroids, 2022, 185, 109062.	1.8	4
80	Synthesis of C-2, 3, 17 and 19-oxygenated androgens. The Journal of Steroid Biochemistry, 1988, 29, 353-359.	1.1	3
81	Prospects for Clinical Development of Stat5 Inhibitor IST5-002: High Transcriptomic Specificity in Prostate Cancer and Low Toxicity In Vivo. Cancers, 2020, 12, 3412.	3.7	3
82	Prostate Cancer: Current and Emerging Therapies. , 2011, , .		1
83	Letter to the editor. Expert Opinion on Therapeutic Targets, 2017, 21, 9-10.	3.4	1
84	Abstract 1764: Galeterone and its novel analogs induce profound anti-cancer activities in human pancreatic cancer cell lines: Implications for pancreatic cancer therapy. , 2015, , .		1
85	Androgen receptor antagonism and impact on inhibitors of androgen synthesis in prostate cancer therapy. Translational Cancer Research, 2017, 6, S1128-S1131.	1.0	1
86	Galeterone to target proteasomal degradation of the androgen receptor in prostate tumor cells: A novel mechanism of action for treatment of AR-V7+ CRPC.. Journal of Clinical Oncology, 2016, 34, e14092-e14092.	1.6	0