

# Vinay Parikh

## List of Publications by Year in descending order

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49  
papers

2,869  
citations

279487

23  
h-index

233125

45  
g-index

51  
all docs

51  
docs citations

51  
times ranked

3026  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prefrontal Acetylcholine Release Controls Cue Detection on Multiple Timescales. <i>Neuron</i> , 2007, 56, 141-154.	3.8	552
2	Choline transporters, cholinergic transmission and cognition. <i>Nature Reviews Neuroscience</i> , 2005, 6, 48-56.	4.9	349
3	Phasic acetylcholine release and the volume transmission hypothesis: time to move on. <i>Nature Reviews Neuroscience</i> , 2009, 10, 383-390.	4.9	294
4	Cholinergic Mediation of Attention. <i>Annals of the New York Academy of Sciences</i> , 2008, 1129, 225-235.	1.8	160
5	Enhancement of Attentional Performance by Selective Stimulation of $\alpha 4\beta 2$ nAChRs: Underlying Cholinergic Mechanisms. <i>Neuropsychopharmacology</i> , 2010, 35, 1391-1401.	2.8	146
6	Glutamatergic Contributions to Nicotinic Acetylcholine Receptor Agonist-Evoked Cholinergic Transients in the Prefrontal Cortex. <i>Journal of Neuroscience</i> , 2008, 28, 3769-3780.	1.7	134
7	Prefrontal $\alpha 2$ Subunit-Containing and $\alpha 7$ Nicotinic Acetylcholine Receptors Differentially Control Glutamatergic and Cholinergic Signaling. <i>Journal of Neuroscience</i> , 2010, 30, 3518-3530.	1.7	124
8	Rapid assessment of in vivo cholinergic transmission by amperometric detection of changes in extracellular choline levels. <i>European Journal of Neuroscience</i> , 2004, 20, 1545-1554.	1.2	113
9	nAChR agonist-induced cognition enhancement: Integration of cognitive and neuronal mechanisms. <i>Biochemical Pharmacology</i> , 2009, 78, 658-667.	2.0	110
10	Differential Effects of Haloperidol, Risperidone, and Clozapine Exposure on Cholinergic Markers and Spatial Learning Performance in Rats. <i>Neuropsychopharmacology</i> , 2003, 28, 300-309.	2.8	80
11	nAChR dysfunction as a common substrate for schizophrenia and comorbid nicotine addiction: Current trends and perspectives. <i>Schizophrenia Research</i> , 2016, 171, 1-15.	1.1	71
12	Increased Capacity and Density of Choline Transporters Situated in Synaptic Membranes of the Right Medial Prefrontal Cortex of Attentional Task-Performing Rats. <i>Journal of Neuroscience</i> , 2005, 25, 3851-3856.	1.7	60
13	The Presynaptic Choline Transporter Imposes Limits on Sustained Cortical Acetylcholine Release and Attention. <i>Journal of Neuroscience</i> , 2013, 33, 2326-2337.	1.7	57
14	Effects of chronic low- and high-dose nicotine on cognitive flexibility in C57BL/6J mice. <i>Behavioural Brain Research</i> , 2013, 238, 134-145.	1.2	54
15	What do phasic cholinergic signals do?. <i>Neurobiology of Learning and Memory</i> , 2016, 130, 135-141.	1.0	54
16	Increases in cholinergic neurotransmission measured by using choline-sensitive microelectrodes: Enhanced detection by hydrolysis of acetylcholine on recording sites?. <i>Neurochemistry International</i> , 2008, 52, 1343-1350.	1.9	43
17	Diminished $\alpha 7$ receptor signaling reveals cholinergic attentional vulnerability of aging. <i>European Journal of Neuroscience</i> , 2013, 37, 278-293.	1.2	41
18	Cocaine-induced neuroadaptations in the dorsal striatum: Glutamate dynamics and behavioral sensitization. <i>Neurochemistry International</i> , 2014, 75, 54-65.	1.9	37

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19	Nicotine Addiction and Psychiatric Disorders. <i>International Review of Neurobiology</i> , 2015, 124, 171-208.	0.9	34
20	Unresponsive Choline Transporter as a Trait Neuromarker and a Causal Mediator of Bottom-Up Attentional Biases. <i>Journal of Neuroscience</i> , 2017, 37, 2947-2959.	1.7	34
21	Exogenous BDNF facilitates strategy set-shifting by modulating glutamate dynamics in the dorsal striatum. <i>Neuropharmacology</i> , 2013, 75, 312-323.	2.0	33
22	Corticotropin releasing factor impairs sustained attention in male and female rats. <i>Behavioural Brain Research</i> , 2016, 296, 30-34.	1.2	30
23	Interactions between A $\beta$ oligomers and presynaptic cholinergic signaling: Age-dependent effects on attentional capacities. <i>Behavioural Brain Research</i> , 2014, 274, 30-42.	1.2	24
24	Microglia and modifiable life factors: Potential contributions to cognitive resilience in aging. <i>Behavioural Brain Research</i> , 2021, 405, 113207.	1.2	24
25	Contributions of $\alpha$ 2 subunit-containing nAChRs to chronic nicotine-induced alterations in cognitive flexibility in mice. <i>Psychopharmacology</i> , 2015, 232, 1207-1217.	1.5	22
26	Neuregulin 3 Signaling Mediates Nicotine-Dependent Synaptic Plasticity in the Orbitofrontal Cortex and Cognition. <i>Neuropsychopharmacology</i> , 2018, 43, 1343-1354.	2.8	22
27	Impact of partial dopamine depletion on cognitive flexibility in BDNF heterozygous mice. <i>Psychopharmacology</i> , 2016, 233, 1361-1375.	1.5	21
28	Stress Regulation of Sustained Attention and the Cholinergic Attention System. <i>Biological Psychiatry</i> , 2020, 88, 566-575.	0.7	20
29	Paternal nicotine enhances fear memory, reduces nicotine administration, and alters hippocampal genetic and neural function in offspring. <i>Addiction Biology</i> , 2021, 26, e12859.	1.4	19
30	Cognitive control deficits during mecamylamine-precipitated withdrawal in mice: Possible links to frontostriatal BDNF imbalance. <i>Neurobiology of Learning and Memory</i> , 2016, 128, 110-116.	1.0	14
31	Cholinergic Signaling Dynamics and Cognitive Control of Attention. <i>Current Topics in Behavioral Neurosciences</i> , 2020, 45, 71-87.	0.8	13
32	Adolescent and adult nicotine exposure differentially impacts oral nicotine and oral saccharin self-administration in mice. <i>Behavioural Brain Research</i> , 2019, 359, 836-844.	1.2	12
33	Cognitive rigidity and BDNF-mediated frontostriatal glutamate neuroadaptations during spontaneous nicotine withdrawal. <i>Neuropsychopharmacology</i> , 2020, 45, 866-876.	2.8	10
34	Developmental suppression of forebrain trkA receptors and attentional capacities in aging rats: A longitudinal study. <i>Behavioural Brain Research</i> , 2017, 335, 111-121.	1.2	9
35	Glutamate receptor interacting protein acts within the prefrontal cortex to blunt cocaine seeking. <i>Neuropharmacology</i> , 2019, 157, 107672.	2.0	8
36	Transcriptomic changes in the prefrontal cortex of rats as a function of age and cognitive engagement. <i>Neurobiology of Learning and Memory</i> , 2019, 163, 107035.	1.0	6

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37	Repetitive mild concussion in subjects with a vulnerable cholinergic system: Lasting cholinergic-attentional impairments in CHT+ mice. Behavioral Neuroscience, 2019, 133, 448-459.	0.6	6
38	Method for testing sustained attention in touchscreen operant chambers in rats. Journal of Neuroscience Methods, 2017, 277, 30-37.	1.3	5
39	Disrupted Choline Clearance and Sustained Acetylcholine Release <i>In Vivo</i> by a Common Choline Transporter Coding Variant Associated with Poor Attentional Control in Humans. Journal of Neuroscience, 2022, 42, 3426-3444.	1.7	5
40	Exosomes in Age-Related Cognitive Decline: Mechanistic Insights and Improving Outcomes. Frontiers in Aging Neuroscience, 2022, 14, 834775.	1.7	4
41	Rejuvenating procholinergic treatments for cognition enhancement in AD: current challenges and future prospects. Frontiers in Systems Neuroscience, 2014, 8, 254.	1.2	3
42	Nicotine Dependence in Schizophrenia: Contributions of Nicotinic Acetylcholine Receptors. , 2019, , 135-143.		3
43	Neuromodulation of BAG co-chaperones by HIV-1 viral proteins and H2O2: implications for HIV-associated neurological disorders. Cell Death Discovery, 2021, 7, 60.	2.0	3
44	Hemicholinium-3 sensitive choline transport in human T lymphocytes: Evidence for use as a proxy for brain choline transporter (CHT) capacity. Neurochemistry International, 2017, 108, 410-416.	1.9	2
45	Aging reduces the sensitivity to the reinforcing efficacy of morphine. Neurobiology of Aging, 2021, 97, 28-32.	1.5	2
46	Dynamic interplay of frontoparietal cholinergic innervation and cortical reorganization in the regulation of attentional capacities in aging. Neurobiology of Aging, 2021, 105, 186-198.	1.5	2
47	Chemogenetic inhibition of prefrontal projection neurons constrains top-down control of attention in young but not aged rats. Brain Structure and Function, 2021, 226, 2357-2373.	1.2	0
48	Alzheimer's Disease: The Unwanted Companion of Elderly. CNS and Neurological Disorders - Drug Targets, 2020, 19, 646-647.	0.8	0
49	Prospects for Neurotrophic Factor-Based Early Intervention in Schizophrenia: Lessons Learned from the Effects of Antipsychotic Drugs on Cognition, Neurogenesis, and Neurotrophic Factors. CNS and Neurological Disorders - Drug Targets, 2022, 21, .	0.8	0