

Patrick A Forcelli

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

2,521
citations

201385

27
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223531

46
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86
all docs

86
docs citations

86
times ranked

3417
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Pathway-specific inhibition of critical projections from the mediodorsal thalamus to the frontal cortex controls kindled seizures. <i>Progress in Neurobiology</i> , 2022, 214, 102286. | 2.8 | 3 |
| 2 | Age-dependent anticonvulsant actions of perampanel and brivaracetam in the methyl-6,7-dimethoxy-4-ethyl-beta-carboline-3-carboxylate (DMCM) model of seizures in developing rats. <i>Pharmacological Reports</i> , 2021, 73, 296-302. | 1.5 | 2 |
| 3 | Optogenetic activation of the reticular nucleus of the thalamus attenuates limbic seizures via inhibition of the midline thalamus. <i>Epilepsia</i> , 2021, 62, 2283-2296. | 2.6 | 7 |
| 4 | Intrahippocampal blockade of nicotinic or muscarinic receptors fails to impair nonnavigational spatial memory in macaques.. <i>Behavioral Neuroscience</i> , 2021, 135, 581-590. | 0.6 | 2 |
| 5 | TRAPing Seizures in the Striatum. <i>Epilepsy Currents</i> , 2021, 21, 153575972110295. | 0.4 | 3 |
| 6 | Absence epilepsy in male and female WAG/Rij rats: A longitudinal EEG analysis of seizure expression. <i>Epilepsy Research</i> , 2021, 176, 106693. | 0.8 | 10 |
| 7 | The Parahippocampal Cortex and its Functional Connection with the Hippocampus are Critical for Nonnavigational Spatial Memory in Macaques. <i>Cerebral Cortex</i> , 2021, 31, 2251-2267. | 1.6 | 10 |
| 8 | The Angiotensin Type 1 Receptor Antagonist Losartan Prevents Ovariectomy-Induced Cognitive Dysfunction and Anxiety-Like Behavior in Long Evans Rats. <i>Cellular and Molecular Neurobiology</i> , 2020, 40, 407-420. | 1.7 | 15 |
| 9 | Activation of small conductance calcium-activated potassium channels suppresses seizure susceptibility in the genetically epilepsy-prone rats. <i>Neuropharmacology</i> , 2020, 163, 107865. | 2.0 | 6 |
| 10 | Septal Signaling Suppresses Seizures Through Stimulating Somatostatin Cells. <i>Epilepsy Currents</i> , 2020, 20, 297-299. | 0.4 | 1 |
| 11 | Chronic DREADD Isn't As Bad As It Sounds. <i>Epilepsy Currents</i> , 2020, 20, 157-159. | 0.4 | 2 |
| 12 | Sex Differences in the Epilepsies and Associated Comorbidities: Implications for Use and Development of Pharmacotherapies. <i>Pharmacological Reviews</i> , 2020, 72, 767-800. | 7.1 | 58 |
| 13 | Inhibition of the Deep and Intermediate Layers of the Superior Colliculus Disrupts Sensorimotor Gating in Monkeys. <i>Frontiers in Behavioral Neuroscience</i> , 2020, 14, 610702. | 1.0 | 6 |
| 14 | Dysregulation of behavioral and autonomic responses to emotional and social stimuli following bidirectional pharmacological manipulation of the basolateral amygdala in macaques. <i>Neuropharmacology</i> , 2020, 179, 108275. | 2.0 | 19 |
| 15 | Inhibitory Parvalbumin Basket Cell Activity is Selectively Reduced during Hippocampal Sharp Wave Ripples in a Mouse Model of Familial Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2020, 40, 5116-5136. | 1.7 | 47 |
| 16 | Divergent Effects of Systemic and Intracollicular CB Receptor Activation Against Forebrain and Hindbrain-Evoked Seizures in Rats. <i>Frontiers in Behavioral Neuroscience</i> , 2020, 14, 595315. | 1.0 | 6 |
| 17 | Neuroprotective Action of the CB1/2 Receptor Agonist, WIN 55,212-2, against DMSO but Not Phenobarbital-Induced Neurotoxicity in Immature Rats. <i>Neurotoxicity Research</i> , 2019, 35, 173-182. | 1.3 | 7 |
| 18 | Reigning in Excitatory Signaling in CDKL5 Deficiency. <i>Epilepsy Currents</i> , 2019, 19, 341-343. | 0.4 | 0 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Descending projections from the <i>substantia nigra pars reticulata</i> differentially control seizures. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 27084-27094. | 3.3 | 26 |
| 20 | Preclinical safety and efficacy of cannabidivarin for early life seizures. Neuropharmacology, 2019, 148, 189-198. | 2.0 | 37 |
| 21 | Electroconvulsive Shock Enhances Responsive Motility and Purinergic Currents in Microglia in the Mouse Hippocampus. ENeuro, 2019, 6, ENEURO.0056-19.2019. | 0.9 | 8 |
| 22 | What goes up must come down: homeostatic synaptic plasticity strategies in neurological disease. Future Neurology, 2018, 13, 13-21. | 0.9 | 11 |
| 23 | Divergent brain changes in two audiogenic rat strains: A voxel-based morphometry and diffusion tensor imaging comparison of the genetically epilepsy prone rat (GEPR-3) and the Wistar Audiogenic Rat (WAR). Neurobiology of Disease, 2018, 111, 80-90. | 2.1 | 26 |
| 24 | Divergent effects of levetiracetam and tiagabine against spontaneous seizures in adult rats following neonatal hypoxia. Epilepsy Research, 2018, 140, 1-7. | 0.8 | 7 |
| 25 | Commonalities in epileptogenic processes from different acute brain insults: Do they translate?. Epilepsia, 2018, 59, 37-66. | 2.6 | 206 |
| 26 | Neonatal phenobarbital exposure disrupts <sc>GABA</sc>ergic synaptic maturation in rat <sc>CA</sc>1 neurons. Epilepsia, 2018, 59, 333-344. | 2.6 | 32 |
| 27 | Kappa opioid receptors regulate hippocampal synaptic homeostasis and epileptogenesis. Epilepsia, 2018, 59, 106-122. | 2.6 | 11 |
| 28 | Round up the Unusual Suspects: Can Noninflammatory Microglia Drive Epileptogenesis?. Epilepsy Currents, 2018, 18, 326-328. | 0.4 | 0 |
| 29 | Serotonin in the Dorsal Raphe: As I Live and Breathe. Epilepsy Currents, 2018, 18, 191-193. | 0.4 | 1 |
| 30 | Colocalization of Tectal Inputs With Amygdala-Projecting Neurons in the Macaque Pulvinar. Frontiers in Neural Circuits, 2018, 12, 91. | 1.4 | 21 |
| 31 | MMP-1 overexpression selectively alters inhibition in D1 spiny projection neurons in the mouse nucleus accumbens core. Scientific Reports, 2018, 8, 16230. | 1.6 | 1 |
| 32 | Impact of strain, sex, and estrous cycle on gamma butyrolactone-evoked absence seizures in rats. Epilepsy Research, 2018, 147, 62-70. | 0.8 | 16 |
| 33 | Genetically Epilepsy-Prone Rats Display Anxiety-Like Behaviors and Neuropsychiatric Comorbidities of Epilepsy. Frontiers in Neurology, 2018, 9, 476. | 1.1 | 38 |
| 34 | Effects of systemic cholinergic antagonism on reinforcer devaluation in macaques. Neuroscience Letters, 2018, 678, 62-67. | 1.0 | 5 |
| 35 | Differential electrophysiological properties of D1 and D2 spiny projection neurons in the mouse nucleus accumbens core. Physiological Reports, 2018, 6, e13784. | 0.7 | 21 |
| 36 | Inhibition of the substantia nigra pars reticulata produces divergent effects on sensorimotor gating in rats and monkeys. Scientific Reports, 2018, 8, 9369. | 1.6 | 16 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Mediodorsal thalamus is required for discrete phases of goal-directed behavior in macaques. <i>ELife</i> , 2018, 7, . | 2.8 | 19 |
| 38 | Anticonvulsant effect of cannabinoid receptor agonists in models of seizures in developing rats. <i>Epilepsia</i> , 2017, 58, 1593-1602. | 2.6 | 38 |
| 39 | Applications of optogenetic and chemogenetic methods to seizure circuits: Where to go next?. <i>Journal of Neuroscience Research</i> , 2017, 95, 2345-2356. | 1.3 | 27 |
| 40 | Defensive Vocalizations and Motor Asymmetry Triggered by Disinhibition of the Periaqueductal Gray in Non-human Primates. <i>Frontiers in Neuroscience</i> , 2017, 11, 163. | 1.4 | 12 |
| 41 | Blockade of glutamatergic transmission in the primate basolateral amygdala suppresses active behavior without altering social interaction.. <i>Behavioral Neuroscience</i> , 2017, 131, 192-200. | 0.6 | 12 |
| 42 | Anticonvulsant drug-induced cell death in the developing white matter of the rodent brain. <i>Epilepsia</i> , 2016, 57, 727-734. | 2.6 | 68 |
| 43 | Profile of retigabine-induced neuronal apoptosis in the developing rat brain. <i>Epilepsia</i> , 2016, 57, 660-670. | 2.6 | 17 |
| 44 | Amygdala selectively modulates defensive responses evoked from the superior colliculus in non-human primates. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 2009-2019. | 1.5 | 28 |
| 45 | Bidirectional Control of Social Behavior by Activity within Basolateral and Central Amygdala of Primates. <i>Journal of Neuroscience</i> , 2016, 36, 8746-8756. | 1.7 | 96 |
| 46 | Chemogenetic silencing of the midline and intralaminar thalamus blocks amygdala-kindled seizures. <i>Experimental Neurology</i> , 2016, 283, 404-412. | 2.0 | 40 |
| 47 | Stress increases GABAergic neurotransmission in CRF neurons of the central amygdala and bed nucleus stria terminalis. <i>Neuropharmacology</i> , 2016, 107, 239-250. | 2.0 | 70 |
| 48 | Comparison of the long-term behavioral effects of neonatal exposure to retigabine or phenobarbital in rats. <i>Epilepsy and Behavior</i> , 2016, 57, 34-40. | 0.9 | 25 |
| 49 | Optogenetic activation of superior colliculus neurons suppresses seizures originating in diverse brain networks. <i>Neurobiology of Disease</i> , 2016, 87, 102-115. | 2.1 | 75 |
| 50 | Anxiolytic- and antidepressant-like effects of the methadone metabolite 2-ethyl-5-methyl-3,3-diphenyl-1-pyrroline (EMDP). <i>Neuropharmacology</i> , 2016, 101, 46-56. | 2.0 | 8 |
| 51 | The piriform, perirhinal, and entorhinal cortex in seizure generation. <i>Frontiers in Neural Circuits</i> , 2015, 9, 27. | 1.4 | 133 |
| 52 | Short- and Long-Term Neurological and Psychiatric Sequelae of Developmental Exposure to Antiepileptic and Anesthetic Drugs. <i>Frontiers in Neurology</i> , 2015, 6, 41. | 1.1 | 0 |
| 53 | Î±-Synuclein-mediated inhibition of ATF6 processing into COPII vesicles disrupts UPR signaling in Parkinson's disease. <i>Neurobiology of Disease</i> , 2015, 76, 112-125. | 2.1 | 85 |
| 54 | Blockade of Glutamatergic Transmission in Perirhinal Cortex Impairs Object Recognition Memory in Macaques. <i>Journal of Neuroscience</i> , 2015, 35, 5043-5050. | 1.7 | 20 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Repetitive grooming and sensorimotor abnormalities in an ephrin-A knockout model for Autism Spectrum Disorders. <i>Behavioural Brain Research</i> , 2015, 278, 115-128. | 1.2 | 47 |
| 56 | From student to steward: the Interdisciplinary Program in Neuroscience at Georgetown University as a case study in professional development during doctoral training. <i>Medical Education Online</i> , 2014, 19, 22623. | 1.1 | 13 |
| 57 | Memory loss in a nonnavigational spatial task after hippocampal inactivation in monkeys. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4315-4320. | 3.3 | 31 |
| 58 | Ontogenic profile of seizures evoked by the beta-carboline DMCM (methyl-6,7-dimethoxy-4-ethyl- β -carboline-3-carboxylate) in rats. <i>European Journal of Pharmacology</i> , 2014, 740, 662-668. | 1.7 | 9 |
| 59 | Chronic sazetidine \AA maintains anxiolytic effects and slower weight gain following chronic nicotine without maintaining increased density of nicotinic receptors in rodent brain. <i>Journal of Neurochemistry</i> , 2014, 129, 721-731. | 2.1 | 20 |
| 60 | Profile of anticonvulsant action of levetiracetam, tiagabine and phenobarbital against seizures evoked by DMCM (methyl-6,7-dimethoxy-4-ethyl- β -carboline-3-carboxylate) in neonatal rats. <i>European Journal of Pharmacology</i> , 2014, 743, 63-68. | 1.7 | 11 |
| 61 | Brief postnatal exposure to phenobarbital impairs passive avoidance learning and sensorimotor gating in rats. <i>Epilepsy and Behavior</i> , 2014, 37, 265-269. | 0.9 | 25 |
| 62 | Topography of dyskinesias and torticollis evoked by inhibition of substantia nigra pars reticulata. <i>Movement Disorders</i> , 2013, 28, 460-468. | 2.2 | 32 |
| 63 | Melatonin potentiates the anticonvulsant action of phenobarbital in neonatal rats. <i>Epilepsy Research</i> , 2013, 107, 217-223. | 0.8 | 31 |
| 64 | Differential effects of serotonin-specific and excitotoxic lesions of OFC on conditioned reinforcer devaluation and extinction in rats. <i>Behavioural Brain Research</i> , 2013, 246, 10-14. | 1.2 | 28 |
| 65 | It's Money! Real-World Grant Experience through a Student-Run, Peer-Reviewed Program. <i>CBE Life Sciences Education</i> , 2013, 12, 419-428. | 1.1 | 14 |
| 66 | Defense-Like Behaviors Evoked by Pharmacological Disinhibition of the Superior Colliculus in the Primate. <i>Journal of Neuroscience</i> , 2013, 33, 150-155. | 1.7 | 75 |
| 67 | "Ventral pallidum mediates amygdala-evoked deficits in prepulse inhibition": Correction to Forcelli et al. (2012).. <i>Behavioral Neuroscience</i> , 2013, 127, 399-399. | 0.6 | 0 |
| 68 | Delayed Effect of Craniotomy on Experimental Seizures in Rats. <i>PLoS ONE</i> , 2013, 8, e81401. | 1.1 | 17 |
| 69 | Transient inactivation of basolateral amygdala during selective satiation disrupts reinforcer devaluation in rats.. <i>Behavioral Neuroscience</i> , 2012, 126, 563-574. | 0.6 | 41 |
| 70 | Superior Colliculus Mediates Cervical Dystonia Evoked by Inhibition of the Substantia Nigra Pars Reticulata. <i>Journal of Neuroscience</i> , 2012, 32, 13326-13332. | 1.7 | 40 |
| 71 | Effects of Neonatal Antiepileptic Drug Exposure on Cognitive, Emotional, and Motor Function in Adult Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 340, 558-566. | 1.3 | 66 |
| 72 | The Effect of Injury Severity on Behavior: A Phenotypic Study of Cognitive and Emotional Deficits after Mild, Moderate, and Severe Controlled Cortical Impact Injury in Mice. <i>Journal of Neurotrauma</i> , 2012, 29, 2283-2296. | 1.7 | 178 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Anticonvulsant effect of retigabine during postnatal development in rats. <i>Epilepsy Research</i> , 2012, 101, 135-140. | 0.8 | 15 |
| 74 | Histocompatibility and <i>in vivo</i> signal throughput for PEDOT, PEDOP, P3MT, and polycarbazole electrodes. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 3455-3462. | 2.1 | 22 |
| 75 | Ventral pallidum mediates amygdala-evoked deficits in prepulse inhibition.. <i>Behavioral Neuroscience</i> , 2012, 126, 290-300. | 0.6 | 35 |
| 76 | Neonatal exposure to antiepileptic drugs disrupts striatal synaptic development. <i>Annals of Neurology</i> , 2012, 72, 363-372. | 2.8 | 123 |
| 77 | Drugs, the brain, and behavior: a graduate student-run comprehensive course in neuroscience. <i>Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience</i> , 2012, 10, A105-12. | 0.6 | 4 |
| 78 | A visual, position-independent instrumental reinforcer devaluation task for rats. <i>Journal of Neuroscience Methods</i> , 2011, 194, 297-304. | 1.3 | 14 |
| 79 | Early postnatal exposure of rats to lamotrigine, but not phenytoin, reduces seizure threshold in adulthood. <i>Epilepsia</i> , 2011, 52, e20-2. | 2.6 | 13 |
| 80 | Pattern of antiepileptic drug-induced cell death in limbic regions of the neonatal rat brain. <i>Epilepsia</i> , 2011, 52, e207-e211. | 2.6 | 69 |
| 81 | Therapeutic strategies to avoid long-term adverse outcomes of neonatal antiepileptic drug exposure. <i>Epilepsia</i> , 2010, 51, 18-23. | 2.6 | 27 |
| 82 | Teratogenic effects of maternal antidepressant exposure on neural substrates of drug-seeking behavior in offspring. <i>Addiction Biology</i> , 2008, 13, 52-62. | 1.4 | 41 |
| 83 | Neural, endocrine and electroencephalographic hyperreactivity to human contact: A diathesis-stress model of seizure susceptibility in El mice. <i>Brain Research</i> , 2007, 1144, 248-256. | 1.1 | 18 |
| 84 | Brain Circuits Responsible for Seizure Generation, Propagation, and Control: Insights from Preclinical Research. , 0, , . | | 2 |