# John Gray

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5882871/publications.pdf

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| 36 | 4,472 | 304743 | 361022 |
|---|---|---|---|
| papers | citations | 22 h-index | 35 g-index |

| 43 | 43 | 43 | 6138 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Reduced d-serine levels drive enhanced non-ionotropic NMDA receptor signaling and destabilization of dendritic spines in a mouse model for studying schizophrenia. Neurobiology of Disease, 2022, 170, 105772. | 4.4 | 8 |
| 2 | Increased excitation-inhibition balance and loss of GABAergic synapses in the serine racemase knockout model of NMDA receptor hypofunction. Journal of Neurophysiology, 2021, 126, 11-27. | 1.8 | 13 |
| 3 | Excessive Laughter-like Vocalizations, Microcephaly, and Translational Outcomes in theUbe3aDeletion Rat Model of Angelman Syndrome. Journal of Neuroscience, 2021, 41, 8801-8814. | 3.6 | 13 |
| 4 | The Role of Glutamate in Language and Language Disorders - Evidence from ERP and Pharmacologic Studies. Neuroscience and Biobehavioral Reviews, 2020, 119, 217-241. | 6.1 | 12 |
| 5 | Postsynaptic Serine Racemase Regulates NMDA Receptor Function. Journal of Neuroscience, 2020, 40, 9564-9575. | 3.6 | 29 |
| 6 | Metaplasticity contributes to memory formation in the hippocampus. Neuropsychopharmacology, 2019, 44, 408-414. | 5.4 | 24 |
| 7 | NMDAR-Activated PP1 Dephosphorylates GluN2B to Modulate NMDAR Synaptic Content. Cell Reports, 2019, 28, 332-341.e5. | 6.4 | 22 |
| 8 | Sestd1 Encodes a Developmentally Dynamic Synapse Protein That Complexes With BCR Rac1-GAP to Regulate Forebrain Dendrite, Spine and Synapse Formation. Cerebral Cortex, 2019, 29, 505-516. | 2.9 | 7 |
| 9 | Long-Term Depression Is Independent of GluN2 Subunit Composition. Journal of Neuroscience, 2018, 38, 4462-4470. | 3.6 | 28 |
| 10 | Excitotoxic superoxide production and neuronal death require both ionotropic and non-ionotropic NMDA receptor signaling. Scientific Reports, 2018, 8, 17522. | 3.3 | 30 |
| 11 | Incomplete block of NMDA receptors by intracellular MK-801. Neuropharmacology, 2018, 143, 122-129. | 4.1 | 6 |
| 12 | Psychedelics Promote Structural and Functional Neural Plasticity. Cell Reports, 2018, 23, 3170-3182. | 6.4 | 566 |
| 13 | Non-ionotropic signaling by the NMDA receptor: controversy and opportunity. F1000Research, 2016, 5, 1010. | 1.6 | 23 |
| 14 | Non-Ionotropic NMDA Receptor Signaling Drives Activity-Induced Dendritic Spine Shrinkage. Journal of Neuroscience, 2015, 35, 12303-12308. | 3.6 | 119 |
| 15 | Activated CaMKII Couples GluN2B and Casein Kinase 2 to Control Synaptic NMDA Receptors. Cell Reports, 2013, 3, 607-614. | 6.4 | 100 |
| 16 | Parkinsonism and Rabbit Syndrome After Discontinuation of Low-Dose Ziprasidone and Concomitant Initiation of Sertraline. Journal of Clinical Psychopharmacology, 2012, 32, 142-143. | 1.4 | 4 |
| 17 | Thinking Outside the Synapse: Glycine at Extrasynaptic NMDA Receptors. Cell, 2012, 150, 455-456. | 28.9 | 9 |
| 18 | SAP102 Mediates Synaptic Clearance of NMDA Receptors. Cell Reports, 2012, 2, 1120-1128. | 6.4 | 67 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Distinct Modes of AMPA Receptor Suppression at Developing Synapses by GluN2A and GluN2B: Single-Cell NMDA Receptor Subunit Deletion InÂVivo. Neuron, 2011, 71, 1085-1101. | 8.1 | 241 |
| 20 | Potentiation of Synaptic AMPA Receptors Induced by the Deletion of NMDA Receptors Requires the GluA2 Subunit. Journal of Neurophysiology, 2011, 105, 923-928. | 1.8 | 18 |
| 21 | Genetic analysis of neuronal ionotropic glutamate receptor subunits. Journal of Physiology, 2011, 589, 4095-4101. | 2.9 | 31 |
| 22 | Metabolic Control of Vesicular Glutamate Transport and Release. Neuron, 2010, 68, 99-112. | 8.1 | 331 |
| 23 | The Expanded Biology of Serotonin. Annual Review of Medicine, 2009, 60, 355-366. | 12.2 | 1,451 |
| 24 | Structure and Function of the Third Intracellular Loop of the 5-Hydroxytryptamine2A Receptor: The Third Intracellular Loop Is Î±-Helical and Binds Purified Arrestins. Journal of Neurochemistry, 2008, 72, 2206-2214. | 3.9 | 89 |
| 25 | Molecular Targets for Treating Cognitive Dysfunction in Schizophrenia. Schizophrenia Bulletin, 2007, 33, 1100-1119. | 4.3 | 205 |
| 26 | The pipeline and future of drug development in schizophrenia. Molecular Psychiatry, 2007, 12, 904-922. | 7.9 | 173 |
| 27 | Developing selectively nonselective drugs for treating CNS disorders. Drug Discovery Today: Therapeutic Strategies, 2006, 3, 413-419. | 0.5 | 4 |
| 28 | The PDZ-binding domain is essential for the dendritic targeting of 5-HT2A serotonin receptors in cortical pyramidal neurons in vitro. Neuroscience, 2003, 122, 907-920. | 2.3 | 71 |
| 29 | Identification of Two Serine Residues Essential for Agonist-Induced 5-HT2AReceptor Desensitizationâ€. Biochemistry, 2003, 42, 10853-10862. | 2.5 | 39 |
| 30 | The Interaction of a Constitutively Active Arrestin with the Arrestin-Insensitive 5-HT2AReceptor Induces Agonist-Independent Internalization. Molecular Pharmacology, 2003, 63, 961-972. | 2.3 | 55 |
| 31 | A Direct Interaction of PSD-95 with 5-HT2A Serotonin Receptors Regulates Receptor Trafficking and Signal Transduction. Journal of Biological Chemistry, 2003, 278, 21901-21908. | 3.4 | 152 |
| 32 | CELL BIOLOGY: A Last GASP for GPCRs?. Science, 2002, 297, 529-531. | 12.6 | 32 |
| 33 | Paradoxical trafficking and regulation of 5-HT2A receptors by agonists and antagonists. Brain Research Bulletin, 2001, 56, 441-451. | 3.0 | 262 |
| 34 | Cell-Type Specific Effects of Endocytosis Inhibitors on 5-Hydroxytryptamine<sub>2A</sub>Receptor Desensitization and Resensitization Reveal an Arrestin-, GRK2-, and GRK5-Independent Mode of Regulation in Human Embryonic Kidney 293 Cells. Molecular Pharmacology, 2001, 60, 1020-1030. | 2.3 | 88 |
| 35 | The Dynamin-dependent, Arrestin-independent Internalization of 5-Hydroxytryptamine 2A (5-HT2A) Serotonin Receptors Reveals Differential Sorting of Arrestins and 5-HT2A Receptors during Endocytosis. Journal of Biological Chemistry, 2001, 276, 8269-8277. | 3.4 | 144 |
| 36 | NMDAR-Activated PP1 Dephosphorylates GluN2B to Modulate NMDAR-Plasticity. SSRN Electronic Journal, 0, , . | 0.4 | 0 |