

# Antonio Fernández-Ruiz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1667918/publications.pdf>

Version: 2024-02-01

21  
papers

2,584  
citations

516710

16  
h-index

752698

20  
g-index

24  
all docs

24  
docs citations

24  
times ranked

2679  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Extrinsic control and intrinsic computation in the hippocampal CA1 circuit. <i>Neuron</i> , 2022, 110, 658-673.e5.   | 8.1  | 42        |
| 2  | HectoSTAR ¼LED Optoelectrodes for Large-Scale, High-Precision In Vivo Opto-Electrophysiology. <i>Advanced Science</i> , 2022, 9, e2105414.                     | 11.2 | 20        |
| 3  | Subcircuits of Deep and Superficial CA1 Place Cells Support Efficient Spatial Coding across Heterogeneous Environments. <i>Neuron</i> , 2021, 109, 363-376.e6. | 8.1  | 49        |
| 4  | Gamma rhythm communication between entorhinal cortex and dentate gyrus neuronal assemblies. <i>Science</i> , 2021, 372, .                                      | 12.6 | 121       |
| 5  | Hippocampal CA2 sharp-wave ripples reactivate and promote social memory. <i>Nature</i> , 2020, 587, 264-269.   | 27.8 | 145       |
| 6  | Utility of the Idling Brain: Abstraction of New Knowledge. <i>Cell</i> , 2019, 178, 513-515.   | 28.9 | 4         |
| 7  | Long-duration hippocampal sharp wave ripples improve memory. <i>Science</i> , 2019, 364, 1082-1086.  | 12.6 | 308       |
| 8  | Layer-Specific Physiological Features and Interlaminar Interactions in the Primary Visual Cortex of the Mouse. <i>Neuron</i> , 2019, 101, 500-513.e5.          | 8.1  | 191       |
| 9  | Direct effects of transcranial electric stimulation on brain circuits in rats and humans. <i>Nature Communications</i> , 2018, 9, 483.                         | 12.8 | 532       |
| 10 | Origin of Gamma Frequency Power during Hippocampal Sharp-Wave Ripples. <i>Cell Reports</i> , 2018, 25, 1693-1700.e4.   | 6.4  | 61        |
| 11 | Hippocampal Network Dynamics during Rearing Episodes. <i>Cell Reports</i> , 2018, 23, 1706-1715.   | 6.4  | 45        |
| 12 | Entorhinal-CA3 Dual-Input Control of Spike Timing in the Hippocampus by Theta-Gamma Coupling. <i>Neuron</i> , 2017, 93, 1213-1226.e5.                          | 8.1  | 233       |
| 13 | Incorporating single cell contribution into network models of ripple generation. <i>Journal of Physiology</i> , 2017, 595, 9-10.                               | 2.9  | 0         |
| 14 | Role of Hippocampal CA2 Region in Triggering Sharp-Wave Ripples. <i>Neuron</i> , 2016, 91, 1342-1355.  | 8.1  | 172       |
| 15 | Distributed Representation of "What" and "Where" Information in the Parahippocampal Region. <i>Journal of Neuroscience</i> , 2016, 36, 8286-8288.              | 3.6  | 3         |
| 16 | Spatial coding and physiological properties of hippocampal neurons in the Cornu Ammonis subregions. <i>Hippocampus</i> , 2016, 26, 1593-1607.                  | 1.9  | 101       |
| 17 | Theta Phase Segregation of Input-Specific Gamma Patterns in Entorhinal-Hippocampal Networks. <i>Neuron</i> , 2014, 84, 470-485.                                | 8.1  | 374       |
| 18 | Cytoarchitectonic and Dynamic Origins of Giant Positive Local Field Potentials in the Dentate Gyrus. <i>Journal of Neuroscience</i> , 2013, 33, 15518-15532.   | 3.6  | 55        |

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|----|--|-----|-----------|
| 19 | The Rules of Entrainment: Are CA1 Gamma Oscillations Externally Imposed or Locally Governed?. Journal of Neuroscience, 2013, 33, 19045-19047.  | 3.6 | 3         |
| 20 | Identifying the synaptic origin of ongoing neuronal oscillations through spatial discrimination of electric fields. Frontiers in Computational Neuroscience, 2013, 7, 5.                       | 2.1 | 41        |
| 21 | Schaffer-Specific Local Field Potentials Reflect Discrete Excitatory Events at Gamma Frequency That May Fire Postsynaptic Hippocampal CA1 Units. Journal of Neuroscience, 2012, 32, 5165-5176. | 3.6 | 75        |