

Georges Goetz

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,622
citations

623699

14
h-index

888047

17
g-index

23
all docs

23
docs citations

23
times ranked

1540
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | An update on retinal prostheses. <i>Clinical Neurophysiology</i> , 2020, 131, 1383-1398. | 1.5 | 116 |
| 2 | Unusual Physiological Properties of Smooth Monostratified Ganglion Cell Types in Primate Retina. <i>Neuron</i> , 2019, 103, 658-672.e6. | 8.1 | 50 |
| 3 | Interferometric mapping of material properties using thermal perturbation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2499-E2508. | 7.1 | 19 |
| 4 | Temporal structure in spiking patterns of ganglion cells defines perceptual thresholds in rodents with subretinal prosthesis. <i>Scientific Reports</i> , 2018, 8, 3145. | 3.3 | 25 |
| 5 | Spatiotemporal characteristics of retinal response to network-mediated photovoltaic stimulation. <i>Journal of Neurophysiology</i> , 2018, 119, 389-400. | 1.8 | 51 |
| 6 | Full-field interferometric imaging of propagating action potentials. <i>Light: Science and Applications</i> , 2018, 7, 107. | 16.6 | 46 |
| 7 | Restoring sight with retinal prostheses. <i>Physics Today</i> , 2018, 71, 26-32. | 0.3 | 14 |
| 8 | Optophysiology of cardiomyocytes: characterizing cellular motion with quantitative phase imaging. <i>Biomedical Optics Express</i> , 2017, 8, 4652. | 2.9 | 2 |
| 9 | Characterizing Cardiomyocytes Motion with Quantitative Phase Imaging. , 2017, , . | | 2 |
| 10 | Optimization of return electrodes in neurostimulating arrays. <i>Journal of Neural Engineering</i> , 2016, 13, 036010. | 3.5 | 38 |
| 11 | Photovoltaic Pixels for Neural Stimulation: Circuit Models and Performance. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2016, 10, 85-97. | 4.0 | 55 |
| 12 | Contrast Sensitivity With a Subretinal Prosthesis and Implications for Efficient Delivery of Visual Information. , 2015, 56, 7186. | | 21 |
| 13 | Performance of photovoltaic arrays in-vivo and characteristics of prosthetic vision in animals with retinal degeneration. <i>Vision Research</i> , 2015, 111, 142-148. | 1.4 | 79 |
| 14 | Photovoltaic restoration of sight with high visual acuity. <i>Nature Medicine</i> , 2015, 21, 476-482. | 30.7 | 296 |
| 15 | Selectivity of direct and network-mediated stimulation of the retinal ganglion cells with epi-, sub- and intraretinal electrodes. <i>Journal of Neural Engineering</i> , 2014, 11, 026008. | 3.5 | 131 |
| 16 | Cortical responses elicited by photovoltaic subretinal prostheses exhibit similarities to visually evoked potentials. <i>Nature Communications</i> , 2013, 4, 1980. | 12.8 | 117 |
| 17 | Deterministic matrices matching the compressed sensing phase transitions of Gaussian random matrices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1181-1186. | 7.1 | 130 |
| 18 | Photovoltaic retinal prosthesis with high pixel density. <i>Nature Photonics</i> , 2012, 6, 391-397. | 31.4 | 394 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Photovoltaic retinal prosthesis for restoring sight to the blind. , 0, , 325-338. | | 0 |
| 20 | Restoring sight to the blind. SPIE Newsroom, 0, , . | 0.1 | 0 |