

Bradley D Gelfand

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

3,037
citations

331670

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501196

28
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docs citations

34
times ranked

3784
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | DICER1 deficit induces Alu RNA toxicity in age-related macular degeneration. <i>Nature</i> , 2011, 471, 325-330. | 27.8 | 573 |
| 2 | DICER1 Loss and Alu RNA Induce Age-Related Macular Degeneration via the NLRP3 Inflammasome and MyD88. <i>Cell</i> , 2012, 149, 847-859. | 28.9 | 526 |
| 3 | Immunology of age-related macular degeneration. <i>Nature Reviews Immunology</i> , 2013, 13, 438-451. | 22.7 | 515 |
| 4 | cGAS drives noncanonical-inflammasome activation in age-related macular degeneration. <i>Nature Medicine</i> , 2018, 24, 50-61. | 30.7 | 205 |
| 5 | Nucleoside reverse transcriptase inhibitors possess intrinsic anti-inflammatory activity. <i>Science</i> , 2014, 346, 1000-1003. | 12.6 | 189 |
| 6 | TLR-Independent and P2X7-Dependent Signaling Mediate Alu RNA-Induced NLRP3 Inflammasome Activation in Geographic Atrophy. , 2013, 54, 7395. | | 138 |
| 7 | ERK1/2 activation is a therapeutic target in age-related macular degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13781-13786. | 7.1 | 98 |
| 8 | Short-interfering RNAs Induce Retinal Degeneration via TLR3 and IRF3. <i>Molecular Therapy</i> , 2012, 20, 101-108. | 8.2 | 86 |
| 9 | DICER1/ Alu RNA dysmetabolism induces Caspase-8-mediated cell death in age-related macular degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16082-16087. | 7.1 | 79 |
| 10 | Iron Toxicity in the Retina Requires Alu RNA and the NLRP3 Inflammasome. <i>Cell Reports</i> , 2015, 11, 1686-1693. | 6.4 | 78 |
| 11 | Hemodynamic Activation of β^2 -Catenin and T-Cell-Specific Transcription Factor Signaling in Vascular Endothelium Regulates Fibronectin Expression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1625-1633. | 2.4 | 51 |
| 12 | Spatial and spectral heterogeneity of time-varying shear stress profiles in the carotid bifurcation by phase-contrast MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 1386-1392. | 3.4 | 50 |
| 13 | A Revised Hemodynamic Theory of Age-Related Macular Degeneration. <i>Trends in Molecular Medicine</i> , 2016, 22, 656-670. | 6.7 | 45 |
| 14 | Identification of fluoxetine as a direct NLRP3 inhibitor to treat atrophic macular degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1 | 41 |
| 15 | IL-18 is not therapeutic for neovascular age-related macular degeneration. <i>Nature Medicine</i> , 2014, 20, 1372-1375. | 30.7 | 37 |
| 16 | Cytoplasmic synthesis of endogenous Alu complementary DNA via reverse transcription and implications in age-related macular degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1 | 36 |
| 17 | Nucleoside Reverse Transcriptase Inhibitors Suppress Laser-Induced Choroidal Neovascularization in Mice. , 2015, 56, 7122. | | 32 |
| 18 | Repurposing anti-inflammasome NRTIs for improving insulin sensitivity and reducing type 2 diabetes development. <i>Nature Communications</i> , 2020, 11, 4737. | 12.8 | 31 |

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|----|---|------|-----------|
| 19 | Human IgG1 antibodies suppress angiogenesis in a target-independent manner. <i>Signal Transduction and Targeted Therapy</i> , 2016, 1, . | 17.1 | 30 |
| 20 | A non-canonical, interferon-independent signaling activity of cGAMP triggers DNA damage response signaling. <i>Nature Communications</i> , 2021, 12, 6207. | 12.8 | 30 |
| 21 | Chronic Dicer1 deficiency promotes atrophic and neovascular outer retinal pathologies in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2579-2587. | 7.1 | 28 |
| 22 | DDX17 is an essential mediator of sterile NLRC4 inflammasome activation by retrotransposon RNAs. <i>Science Immunology</i> , 2021, 6, eabi4493. | 11.9 | 24 |
| 23 | Intravenous immune globulin suppresses angiogenesis in mice and humans. <i>Signal Transduction and Targeted Therapy</i> , 2016, 1, . | 17.1 | 23 |
| 24 | <i>Alu</i> complementary DNA is enriched in atrophic macular degeneration and triggers retinal pigmented epithelium toxicity via cytosolic innate immunity. <i>Science Advances</i> , 2021, 7, eabj3658. | 10.3 | 23 |
| 25 | RF/6A Chorioretinal Cells Do Not Display Key Endothelial Phenotypes. , 2018, 59, 5795. | | 18 |
| 26 | Nucleoside reverse transcriptase inhibitors and Kamuvudines inhibit amyloid- β induced retinal pigmented epithelium degeneration. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 149. | 17.1 | 16 |
| 27 | Compartmentalized citrullination in Muller glial endfeet during retinal degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, . | 7.1 | 11 |
| 28 | A Clinical Metabolite of Azidothymidine Inhibits Experimental Choroidal Neovascularization and Retinal Pigmented Epithelium Degeneration. , 2020, 61, 4. | | 10 |
| 29 | TMEM97 ablation aggravates oxidant-induced retinal degeneration. <i>Cellular Signalling</i> , 2021, 86, 110078. | 3.6 | 8 |
| 30 | The Learning Curve of Murine Subretinal Injection Among Clinically Trained Ophthalmic Surgeons. <i>Translational Vision Science and Technology</i> , 2022, 11, 13. | 2.2 | 3 |
| 31 | The Dean Effect: An Aortic Arch Flow Artifact Mimicking Dissection. <i>Radiology: Cardiothoracic Imaging</i> , 2022, 4, . | 2.5 | 1 |
| 32 | Subretinal injection in mice to study retinal physiology and disease. <i>Nature Protocols</i> , 2022, 17, 1468-1485. | 12.0 | 1 |