

# Joe B Blumer

## List of Publications by Year in descending order

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63  
papers

1,614  
citations

279798

23  
h-index

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37  
g-index

63  
all docs

63  
docs citations

63  
times ranked

1442  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | ACCESSORY PROTEINS FOR G PROTEINS: Partners in Signaling. Annual Review of Pharmacology and Toxicology, 2006, 46, 151-187.  | 9.4  | 171       |
| 2  | Mechanistic pathways and biological roles for receptor-independent activators of G-protein signaling. , 2007, 113, 488-506.   |      | 119       |
| 3  | mPins modulates PSD-95 and SAP102 trafficking and influences NMDA receptor surface expression. Nature Cell Biology, 2005, 7, 1179-1190.   | 10.3 | 114       |
| 4  | Expression Analysis and Subcellular Distribution of the Two G-protein Regulators AGS3 and LGN Indicate Distinct Functionality. Journal of Biological Chemistry, 2002, 277, 15897-15903.   | 3.4  | 106       |
| 5  | AGS proteins: receptor-independent activators of G-protein signaling. Trends in Pharmacological Sciences, 2005, 26, 470-6.  | 8.7  | 81        |
| 6  | Purification of Heterotrimeric G Protein $\beta\gamma$ Subunits by GST-Ric-8 Association. Journal of Biological Chemistry, 2011, 286, 2625-2635.  | 3.4  | 59        |
| 7  | Activator of G Protein Signaling 3 Null Mice: I. Unexpected Alterations in Metabolic and Cardiovascular Function. Endocrinology, 2008, 149, 3842-3849.  | 2.8  | 58        |
| 8  | Interaction of Activator of G-protein Signaling 3 (AGS3) with LKB1, a Serine/Threonine Kinase Involved in Cell Polarity and Cell Cycle Progression. Journal of Biological Chemistry, 2003, 278, 23217-23220.  | 3.4  | 57        |
| 9  | Activators of G Protein Signaling Exhibit Broad Functionality and Define a Distinct Core Signaling Triad. Molecular Pharmacology, 2014, 85, 388-396.  | 2.3  | 54        |
| 10 | Activator of G Protein Signaling 3 Promotes Epithelial Cell Proliferation in PKD. Journal of the American Society of Nephrology: JASN, 2010, 21, 1275-1280.   | 6.1  | 52        |
| 11 | Loss of activator of G-protein signaling 3 impairs renal tubular regeneration following acute kidney injury in rodents. FASEB Journal, 2011, 25, 1844-1855.   | 0.5  | 52        |
| 12 | Identification and Characterization of AGS4. Journal of Biological Chemistry, 2004, 279, 27567-27574.   | 3.4  | 46        |
| 13 | Regulation of the AGS3-G $\beta\gamma$ Signaling Complex by a Seven-transmembrane Span Receptor*. Journal of Biological Chemistry, 2010, 285, 33949-33958.  | 3.4  | 44        |
| 14 | The G-protein regulatory (GPR) motif-containing Leu $\beta$ -Gly $\beta$ -Asn-enriched protein (LGN) and G $\beta\gamma$ 3 influence cortical positioning of the mitotic spindle poles at metaphase in symmetrically dividing mammalian cells. European Journal of Cell Biology, 2006, 85, 1233-1240. | 3.6  | 42        |
| 15 | AKAP Signaling in Reinstated Cocaine Seeking Revealed by iTRAQ Proteomic Analysis. Journal of Neuroscience, 2011, 31, 5648-5658.  | 3.6  | 41        |
| 16 | Assembly and Function of the Regulator of G protein Signaling 14 (RGS14)-H-Ras Signaling Complex in Live Cells Are Regulated by G $\beta\gamma$ 1 and G $\beta\gamma$ -linked G Protein-coupled Receptors. Journal of Biological Chemistry, 2013, 288, 3620-3631.                                     | 3.4  | 38        |
| 17 | Receptor-regulated Interaction of Activator of G-protein Signaling-4 and G $\beta\gamma$ . Journal of Biological Chemistry, 2010, 285, 20588-20594.   | 3.4  | 37        |
| 18 | EDD enhances cell survival and cisplatin resistance and is a therapeutic target for epithelial ovarian cancer. Carcinogenesis, 2014, 35, 1100-1109.   | 2.8  | 37        |

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|----|---|-----|-----------|
| 19 | G-protein signaling modulator 1 deficiency accelerates cystic disease in an orthologous mouse model of autosomal dominant polycystic kidney disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 21462-21467.                                   | 7.1 | 33        |
| 20 | Regulation of the G-protein Regulatory-Gi Signaling Complex by Nonreceptor Guanine Nucleotide Exchange Factors. <i>Journal of Biological Chemistry</i> , 2013, 288, 3003-3015.  | 3.4 | 33        |
| 21 | Activator of G-Protein Signaling 3 Induced Lysosomal Biogenesis Limits Macrophage Intracellular Bacterial Infection. <i>Journal of Immunology</i> , 2016, 196, 846-856.   | 0.8 | 31        |
| 22 | The PDZ and Band 4.1 Containing Protein Frmpd1 Regulates the Subcellular Location of Activator of G-protein Signaling 3 and Its Interaction with G-proteins. <i>Journal of Biological Chemistry</i> , 2008, 283, 24718-24728.   | 3.4 | 30        |
| 23 | G Protein-coupled Receptors and Resistance to Inhibitors of Cholinesterase-8A (Ric-8A) Both Regulate the Regulator of G Protein Signaling 14 (RGS14)-Gi Complex in Live Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 38659-38669.   | 3.4 | 30        |
| 24 | The Presence of a Leu-Gly-Asn Repeat-Enriched Protein (LGN), a Putative Binding Partner of Transducin, in ROD Photoreceptors. , 2005, 46, 383.  |     | 26        |
| 25 | Accessory Proteins for G Protein-Signaling Systems: Activators of G Protein Signaling and Other Nonreceptor Proteins Influencing the Activation State of G Proteins. <i>Receptors and Channels</i> , 2003, 9, 195-204.  | 1.1 | 26        |
| 26 | Distribution of Activator of G-Protein Signaling 3 within the Aggresomal Pathway: Role of Specific Residues in the Tetratricopeptide Repeat Domain and Differential Regulation by the AGS3 Binding Partners G12 and Mammalian Inscuteable. <i>Molecular and Cellular Biology</i> , 2010, 30, 1528-1540. | 2.3 | 23        |
| 27 | Defective Chemokine Signal Integration in Leukocytes Lacking Activator of G Protein Signaling 3 (AGS3). <i>Journal of Biological Chemistry</i> , 2014, 289, 10738-10747.  | 3.4 | 23        |
| 28 | Bioluminescence Resonance Energy Transfer to Detect Protein-Protein Interactions in Live Cells. <i>Methods in Molecular Biology</i> , 2015, 1278, 457-465.  | 0.9 | 20        |
| 29 | G12 Signaling Regulates Inflammasome Priming and Cytokine Production by Biasing Macrophage Phenotype Determination. <i>Journal of Immunology</i> , 2019, 202, 1510-1520.  | 0.8 | 17        |
| 30 | Design of a foundational sciences curriculum: Applying the ICAP framework to pharmacology education in integrated medical curricula. <i>Pharmacology Research and Perspectives</i> , 2021, 9, e00762.   | 2.4 | 16        |
| 31 | Normal Autophagic Activity in Macrophages from Mice Lacking G13, AGS3, or RGS19. <i>PLoS ONE</i> , 2013, 8, e81886.   | 2.5 | 15        |
| 32 | Glutathione S-Transferase P Influences Redox and Migration Pathways in Bone Marrow. <i>PLoS ONE</i> , 2014, 9, e107478.   | 2.5 | 15        |
| 33 | Group II Activators of G-protein Signaling. <i>Methods in Enzymology</i> , 2013, 522, 153-167.  | 1.0 | 11        |
| 34 | Accessory proteins for G protein-signaling systems: activators of G protein signaling and other nonreceptor proteins influencing the activation state of G proteins. <i>Receptors and Channels</i> , 2003, 9, 195-204.  | 1.1 | 10        |
| 35 | Identification and characterization of a G-protein regulatory motif in WAVE1. <i>FEBS Letters</i> , 2006, 580, 1993-1998.   | 2.8 | 9         |
| 36 | Direct Coupling of a Seven-Transmembrane-Span Receptor to a G-Protein Regulatory Motif Complex. <i>Molecular Pharmacology</i> , 2015, 88, 231-237.  | 2.3 | 9         |

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|----|--|-----|-----------|
| 37 | Activator of G protein signaling 3 modulates prostate tumor development and progression. <i>Carcinogenesis</i> , 2019, 40, 1504-1513.  | 2.8 | 9         |
| 38 | Regulation of Chemokine Signal Integration by Activator of G-Protein Signaling 4 (AGS4). <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017, 360, 424-433.  | 2.5 | 6         |
| 39 | The importance of collaboratively designing pharmacology education programs. <i>Pharmacology Research and Perspectives</i> , 2021, 9, e00773.  | 2.4 | 6         |
| 40 | Activator of G-protein Signaling 3 Controls Renal Epithelial Cell Survival and ERK5 Activation. <i>Journal of Molecular Signaling</i> , 2015, 10, 6.   | 0.5 | 5         |
| 41 | Accessory Proteins for G Protein-Signaling Systems: Activators of G Protein Signaling and Other Nonreceptor Proteins Influencing the Activation State of G Proteins. <i>Receptors and Channels</i> , 2003, 9, 195-204. | 1.1 | 2         |
| 42 | RECEPTOR-REGULATED INTERACTION OF ACTIVATOR OF G-PROTEIN SIGNALING 4 AND G1ALPHA. <i>FASEB Journal</i> , 2010, 24, 587.8.  | 0.5 | 1         |
| 43 | G Protein Beta/Gamma. , 2012, , 702-710.   |     | 0         |
| 44 | GC-A. , 2012, , 769-769.   |     | 0         |
| 45 | G Protein Alpha Transducin. , 2012, , 698-702.   |     | 0         |
| 46 | AGS3 TPR domain interacting protein 2 (ATIP2) influences AGS3 interaction with G-protein.. <i>FASEB Journal</i> , 2006, 20, A256.  | 0.5 | 0         |
| 47 | Ags3. <i>The AFCS-nature Molecule Pages</i> , 0, , .   | 0.2 | 0         |
| 48 | The role of the tetratricopeptide repeat (TPR) domain of AGS3 in subcellular localization of the protein. <i>FASEB Journal</i> , 2008, 22, 908.3.  | 0.5 | 0         |
| 49 | Selective regulation of G-protein signaling pathways by AGS3. <i>FASEB Journal</i> , 2008, 22, 908.2.  | 0.5 | 0         |
| 50 | Activator of G-protein Signaling 3 null mice: unexpected alterations in metabolic and cardiovascular function. <i>FASEB Journal</i> , 2008, 22, 908.1.   | 0.5 | 0         |
| 51 | The PDZ and Band 4.1 containing protein Frmpd1 influences the subcellular location of Activator of G-protein signaling 3 and its interaction with G-proteins. <i>FASEB Journal</i> , 2008, 22, 908.4.                  | 0.5 | 0         |
| 52 | Regulation of AGS3 and G1alpha1 interaction in living cells. <i>FASEB Journal</i> , 2009, 23, 584.4.   | 0.5 | 0         |
| 53 | Interaction of AGS4 and G1alpha1 in living cells. <i>FASEB Journal</i> , 2009, 23, 584.7.  | 0.5 | 0         |
| 54 | ACTIVATOR OF G-PROTEIN SIGNALING 3: THE ROLE OF THE TETRATRICOPEPTIDE REPEAT DOMAIN IN REGULATING THE INTERACTION OF AGS3 WITH G-PROTEIN.. <i>FASEB Journal</i> , 2009, 23, 584.6.                                     | 0.5 | 0         |

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|----|--|-----|-----------|
| 55 | ACTIVATOR OF G $\alpha$ PROTEIN SIGNALING 3: THE ROLE OF THE TETRATRICOPEPTIDE REPEAT DOMAIN IN SUBCELLULAR POSITIONING OF THE PROTEIN. FASEB Journal, 2009, 23, 584.5.                          | 0.5 | 0         |
| 56 | COUPLING OF A G $\alpha$ PROTEIN COUPLED RECEPTOR TO THE AGS3 $\alpha$ G $\alpha$ SIGNALING COMPLEX. FASEB Journal, 2010, 24, 587.7.   | 0.5 | 0         |
| 57 | Movement of Activator of G $\alpha$ Protein Signaling 3 within the Aggresome Pathway. FASEB Journal, 2010, 24, 587.6.  | 0.5 | 0         |
| 58 | Defective migration in Activator of G protein Signaling 3 $\alpha$ null leukocytes in response to CXCL12 and CCL19 stimulation. FASEB Journal, 2012, 26, 838.7.                                  | 0.5 | 0         |
| 59 | Activator of G protein Signaling $\alpha$ 3 (AGS3) regulates CXCR4 and CCR7 signaling in murine lymphocytes and bone marrow $\alpha$ derived dendritic cells. FASEB Journal, 2013, 27, 1095.4.   | 0.5 | 0         |
| 60 | Regulation of the AGS4 $\alpha$ G $\alpha$ Interaction by Chemokine Receptors and the Non $\alpha$ Receptor Guanine Nucleotide Exchange Factor Ric $\alpha$ 8A. FASEB Journal, 2013, 27, 1095.7. | 0.5 | 0         |
| 61 | G Protein $\alpha$ i/o/z. , 2018, , 1927-1940.   |     | 0         |
| 62 | Activators of G-Protein Signaling (AGS). , 2018, , 133-140.  |     | 0         |
| 63 | Addressing Race, Ethnicity, and Structural Inequality in Pharmacology Education and Assessment. FASEB Journal, 2022, 36, .   | 0.5 | 0         |