

# Aaron M Beedle

## List of Publications by Year in descending order

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45  
papers

2,107  
citations

257450

24  
h-index

265206

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46  
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46  
docs citations

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times ranked

2555  
citing authors

#	ARTICLE	IF	CITATIONS
1	RIM1 confers sustained activity and neurotransmitter vesicle anchoring to presynaptic Ca <sup>2+</sup> channels. <i>Nature Neuroscience</i> , 2007, 10, 691-701.	14.8	212
2	The CACNA1F Gene Encodes an L-Type Calcium Channel with Unique Biophysical Properties and Tissue Distribution. <i>Journal of Neuroscience</i> , 2004, 24, 1707-1718.	3.6	183
3	ORL1 receptor-mediated internalization of N-type calcium channels. <i>Nature Neuroscience</i> , 2006, 9, 31-40.	14.8	151
4	Agonist-independent modulation of N-type calcium channels by ORL1 receptors. <i>Nature Neuroscience</i> , 2004, 7, 118-125.	14.8	128
5	G Protein Modulation of N-type Calcium Channels Is Facilitated by Physical Interactions between Syntaxin 1A and Ca <sub>v</sub> 2.3. <i>Journal of Biological Chemistry</i> , 2000, 275, 6388-6394.	3.4	126
6	Expression of voltage-gated Ca <sup>2+</sup> channel subtypes in cultured astrocytes. <i>Glia</i> , 2003, 41, 347-353.	4.9	119
7	Evidence for a role of dystroglycan regulating the membrane architecture of astroglial endfeet. <i>European Journal of Neuroscience</i> , 2011, 33, 2179-2186.	2.6	94
8	Synthesis and Evaluation of a New Class of Nifedipine Analogs with T-Type Calcium Channel Blocking Activity. <i>Molecular Pharmacology</i> , 2002, 61, 649-658.	2.3	88
9	Inhibition of transiently expressed low- and high-voltage-activated calcium channels by trivalent metal cations. <i>Journal of Membrane Biology</i> , 2002, 187, 225-238.	2.1	86
10	Determinants of Inhibition of Transiently Expressed Voltage-gated Calcium Channels by $\omega$ -Conotoxins GVIA and MVIIA. <i>Journal of Biological Chemistry</i> , 2003, 278, 20171-20178.	3.4	86
11	Expression of T-type calcium channel splice variants in human glioma. <i>Glia</i> , 2004, 48, 112-119.	4.9	83
12	The $\alpha_2\delta$ Auxiliary Subunit Reduces Affinity of $\omega$ -Conotoxins for Recombinant N-type (Cav2.2) Calcium Channels. <i>Journal of Biological Chemistry</i> , 2004, 279, 34705-34714.	3.4	74
13	Mitochondrial maintenance via autophagy contributes to functional skeletal muscle regeneration and remodeling. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 311, C190-C200.	4.6	61
14	Mouse fukutin deletion impairs dystroglycan processing and recapitulates muscular dystrophy. <i>Journal of Clinical Investigation</i> , 2012, 122, 3330-3342.	8.2	57
15	Transient HIF2A inhibition promotes satellite cell proliferation and muscle regeneration. <i>Journal of Clinical Investigation</i> , 2018, 128, 2339-2355.	8.2	52
16	Rab3-interacting Molecule $\beta$ Isoforms Lacking the Rab3-binding Domain Induce Long Lasting Currents but Block Neurotransmitter Vesicle Anchoring in Voltage-dependent P/Q-type Ca <sup>2+</sup> Channels. <i>Journal of Biological Chemistry</i> , 2010, 285, 21750-21767.	3.4	45
17	Lysosomal solute carrier transporters gain momentum in research. <i>Clinical Pharmacology and Therapeutics</i> , 2016, 100, 431-436.	4.7	37
18	Fukutin-related Protein Associates with the Sarcolemmal Dystrophin-Glycoprotein Complex. <i>Journal of Biological Chemistry</i> , 2007, 282, 16713-16717.	3.4	36

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19	AAV-mediated transfer of FKRP shows therapeutic efficacy in a murine model but requires control of gene expression. <i>Human Molecular Genetics</i> , 2017, 26, 1952-1965.	2.9	35
20	Adult stem cell deficits drive Slc29a3 disorders in mice. <i>Nature Communications</i> , 2019, 10, 2943.	12.8	32
21	Inhibiting EGFR Dimerization Using Triazolyl-Bridged Dimerization Arm Mimics. <i>PLoS ONE</i> , 2015, 10, e0118796.	2.5	31
22	Inhibition of subfornical organ neuronal potassium channels by vasopressin. <i>Neuroscience</i> , 1999, 93, 349-359.	2.3	29
23	Mutation Associated with an Autosomal Dominant Cone-Rod Dystrophy <i>CORD7</i> Modifies RIM1-Mediated Modulation of Voltage-Dependent $Ca^{2+}$ Channels. <i>Channels</i> , 2007, 1, 144-147.	2.8	29
24	Inhibition of Recombinant N-Type $Ca_V$ Channels by the $\alpha_2$ Subunit Involves Unfolded Protein Response (UPR)-Dependent and UPR-Independent Mechanisms. <i>Journal of Neuroscience</i> , 2007, 27, 3317-3327.	3.6	26
25	Block of Voltage-Dependent Calcium Channels by Aliphatic Monoamines. <i>Biophysical Journal</i> , 2000, 79, 260-270.	0.5	24
26	Suppression of the GTPase-activating protein RGS10 increases Rheb-GTP and mTOR signaling in ovarian cancer cells. <i>Cancer Letters</i> , 2015, 369, 175-183.	7.2	24
27	Four-week rapamycin treatment improves muscular dystrophy in a fukutin-deficient mouse model of dystroglycanopathy. <i>Skeletal Muscle</i> , 2016, 6, 20.	4.2	20
28	Stabilization of the cardiac sarcolemma by sarcospan rescues DMD-associated cardiomyopathy. <i>JCI Insight</i> , 2019, 4, .	5.0	18
29	LARGE2-dependent glycosylation confers laminin-binding ability on proteoglycans. <i>Glycobiology</i> , 2016, 26, 1284-1296.	2.5	17
30	Development of Rabbit Monoclonal Antibodies for Detection of Alpha-Dystroglycan in Normal and Dystrophic Tissue. <i>PLoS ONE</i> , 2014, 9, e97567.	2.5	15
31	Conformationally constrained peptides target the allosteric kinase dimer interface and inhibit EGFR activation. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 1167-1173.	3.0	14
32	Aggregate mesenchymal stem cell delivery ameliorates the regenerative niche for muscle repair. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 1867-1876.	2.7	11
33	Design of a selenylsulfide-bridged EGFR dimerization arm mimic. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2761-2766.	3.0	10
34	Molecular determinants of opioid analgesia: Modulation of presynaptic calcium channels. <i>Drug Development Research</i> , 2001, 54, 118-128.	2.9	9
35	Regulator of G-Protein Signaling 5 Reduces HeyA8 Ovarian Cancer Cell Proliferation and Extends Survival in a Murine Tumor Model. <i>Biochemistry Research International</i> , 2012, 2012, 1-9.	3.3	9
36	Abnormal Skeletal Muscle Regeneration plus Mild Alterations in Mature Fiber Type Specification in <i>Fktn</i> -Deficient Dystroglycanopathy Muscular Dystrophy Mice. <i>PLoS ONE</i> , 2016, 11, e0147049.	2.5	9

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37	Sarcospan increases laminin-binding capacity of Î±-dystroglycan to ameliorate DMD independent of Galgt2. Human Molecular Genetics, 2022, 31, 718-732.	2.9	6
38	Cryosectioning of Contiguous Regions of a Single Mouse Skeletal Muscle for Gene Expression and Histological Analyses. Journal of Visualized Experiments, 2016, , .	0.3	4
39	Mitochondrial dysfunction in skeletal muscle of fukutinâ€‘deficient mice is resistant to exerciseâ€‘and 5â€‘aminoimidazoleâ€‘4â€‘carboxamide ribonucleotideâ€‘induced rescue. Experimental Physiology, 2020, 105, 1767-1777.	2.0	4
40	Distribution of myosin heavy chain isoforms in muscular dystrophy: insights into disease pathology. Musculoskeletal Regeneration, 2016, 2, .	0.0	4
41	Defective mucin-type glycosylation on Î±-dystroglycan in COG-deficient cells increases its susceptibility to bacterial proteases. Journal of Biological Chemistry, 2018, 293, 14534-14544.	3.4	3
42	Lysophosphatidic Acid Mediates Activating Transcription Factor 3 Expression Which Is a Target for Post-Transcriptional Silencing by miR-30c-2-3p. PLoS ONE, 2015, 10, e0139489.	2.5	3
43	Modulation of High Voltage-Activated Calcium Channels by G Protein-Coupled Receptors. , 2004, , 331-367.		2
44	Inhibiting Lactate Dehydrogenase A Enhances the Cytotoxicity of the Mitochondria Accumulating Antioxidant, Mitoquinone, in Melanoma Cells. , 0, , .		1
45	377. AAV-Mediated Transfer of FKRP Shows Therapeutic Efficacy in a Murine Model of Limb-Girdle Muscular Dystrophy Type 2i, but Requires Tight Control of Gene Expression. Molecular Therapy, 2016, 24, S150.	8.2	0