# Richard D Veenstra

List of Publications by Year
in descending order



| 31 | 1,132 | 361296 20 | 454834 30 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 32 | 32 | 32 | 976 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Size and selectivity of gap junction channels formed from different connexins. Journal of Bioenergetics and Biomembranes, 1996, 28, 327-337. | 1.0 | 221 |
| 2 | Unique Conductance, Gating, and Selective Permeability Properties of Gap Junction Channels Formed by Connexin40. Circulation Research, 1995, 77, 813-822. | 2.0 | 98 |
| 3 | Amino terminal glutamate residues confer spermine sensitivity and affect voltage gating and channel conductance of rat connexin40 gap junctions. Journal of Physiology, 2004, 557, 863-878. | 1.3 | 72 |
| 4 | Voltage-Dependent Blockade of Connexin40 Gap Junctions by Spermine. Biophysical Journal, 2003, 84, 205-219. | 0.2 | 53 |
| 5 | Gating of connexin 43 gap junctions by a cytoplasmic loop calmodulin binding domain. American Journal of Physiology - Cell Physiology, 2012, 302, C1548-C1556. | 2.1 | 53 |
| 6 | Gap junction regulation by calmodulin. FEBS Letters, 2014, 588, 1430-1438. | 1.3 | 48 |
| 7 | Connexin hemichannel and pannexin channel electrophysiology: How do they differ?. FEBS Letters, 2014, 588, 1372-1378. | 1.3 | 47 |
| 8 | Voltage Clamp Limitations of Dual Whole-Cell Gap Junction Current and Voltage Recordings. I. Conductance Measurements. Biophysical Journal, 2001, 80, 2231-2247. | 0.2 | 46 |
| 9 | Molecular interaction and functional regulation of connexin50 gap junctions by calmodulin. Biochemical Journal, 2011, 435, 711-722. | 1.7 | 45 |
| 10 | Connexin40 and connexin43 determine gating properties of atrial gap junction channels. Journal of Molecular and Cellular Cardiology, 2010, 48, 238-245. | 0.9 | 44 |
| 11 | N-terminal residues in Cx43 and Cx40 determine physiological properties of gap junction channels, but do not influence heteromeric assembly with each other or with Cx26. Journal of Cell Science, 2006, 119, 2258-2268. | 1.2 | 41 |
| 12 | Enhancement of ventricular gap-junction coupling by rotigaptide. Cardiovascular Research, 2008, 79, 416-426. | 1.8 | 38 |
| 13 | Dynamic model for ventricular junctional conductance during the cardiac action potential. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H1113-H1123. | 1.5 | 36 |
| 14 | Regulation of Connexin43 Gap Junctional Conductance by Ventricular Action Potentials. Circulation Research, 2003, 93, e63-73. | 2.0 | 33 |
| 15 | Cx30.2 can form heteromeric gap junction channels with other cardiac connexins. Biochemical and Biophysical Research Communications, 2008, 369, 388-394. | 1.0 | 32 |
| 16 | Physiological Modulation of Cardiac Gap Junction Channels. Journal of Cardiovascular Electrophysiology, 1991, 2, 168-189. | 0.8 | 27 |
| 17 | An amino-terminal lysine residue of rat connexin40 that is required for spermine block. Journal of Physiology, 2006, 570, 251-269. | 1.3 | 24 |
| 18 | Histone deacetylase inhibition reduces cardiac connexin43 expression and gap junction communication. Frontiers in Pharmacology, 2013, 4, 44. | 1.6 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Degradation of a connexin40 mutant linked to atrial fibrillation is accelerated. Journal of Molecular and Cellular Cardiology, 2014, 74, 330-339. | 0.9 | 24 |
| 20 | Changes in cardiac Na<sub>v</sub>1.5 expression, function, and acetylation by pan-histone deacetylase inhibitors. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 311, H1139-H1149. | 1.5 | 22 |
| 21 | Functional formation of heterotypic gap junction channels by connexins-40 and -43. Channels, 2014, 8, 433-443. | 1.5 | 21 |
| 22 | Atrial fibrillationâ€associated Connexin40 mutants make hemichannels and synergistically form gap junction channels with novel properties. FEBS Letters, 2014, 588, 1458-1464. | 1.3 | 17 |
| 23 | Calciumâ€“calmodulin gating of a pH-insensitive isoform of connexin43 gap junctions. Biochemical Journal, 2019, 476, 1137-1148. | 1.7 | 17 |
| 24 | Action potential modulation of connexin40 gap junctional conductance. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H1726-H1735. | 1.5 | 14 |
| 25 | Interfering amino terminal peptides and functional implications for heteromeric gap junction formation. Frontiers in Pharmacology, 2013, 4, 67. | 1.6 | 14 |
| 26 | Effect of Transjunctional KCl Gradients on the Spermine Inhibition of Connexin40 Gap Junctions. Biophysical Journal, 2007, 93, 483-495. | 0.2 | 10 |
| 27 | Establishment of the Dual Whole Cell Recording Patch Clamp Configuration for the Measurement of Gap Junction Conductance. Methods in Molecular Biology, 2016, 1437, 213-231. | 0.4 | 3 |
| 28 | Specificity of the connexin W3/4 locus for functional gap junction formation. Channels, 2016, 10, 453-465. | 1.5 | 3 |
| 29 | Differences in Functional Expression of Connexin43 and NaV1.5 by Pan- and Class-Selective Histone Deacetylase Inhibition in Heart. International Journal of Molecular Sciences, 2018, 19, 2288. | 1.8 | 3 |
| 30 | Control of Cell Proliferation by Polyamine Signaling through Gap Junctions, Feasible or Not?. BioEssays, 2018, 40, e1800043. | 1.2 | 2 |
| 31 | Gap Junction Channels: The Electrical Conduit of the Intercellular World. Springer Series in Biophysics, 2015, , 313-341. | 0.4 | 0 |