

# Sean G Brown

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7547895/publications.pdf>

Version: 2024-02-01

17  
papers

492  
citations

687363

13  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

598  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | High-throughput phenotypic screening of the human spermatozoon. <i>Reproduction</i> , 2022, 163, R1-R9.   | 2.6  | 3         |
| 2  | [Ca <sup>2+</sup> ] <sub>i</sub> oscillations in human sperm are triggered in the flagellum by membrane potential-sensitive activity of CatSper. <i>Human Reproduction</i> , 2021, 36, 293-304.   | 0.9  | 17        |
| 3  | Novel pharmacological actions of trequinsin hydrochloride improve human sperm cell motility and function. <i>British Journal of Pharmacology</i> , 2019, 176, 4521-4536.  | 5.4  | 21        |
| 4  | Human sperm ion channel (dys)function: implications for fertilization. <i>Human Reproduction Update</i> , 2019, 25, 758-776.  | 10.8 | 68        |
| 5  | Single-cell analysis of [Ca <sup>2+</sup> ] <sub>i</sub> signalling in sub-fertile men: characteristics and relation to fertilization outcome. <i>Human Reproduction</i> , 2018, 33, 1023-1033.   | 0.9  | 25        |
| 6  | Homozygous in-frame deletion in <i>CATSPERE</i> in a man producing spermatozoa with loss of CatSper function and compromised fertilizing capacity. <i>Human Reproduction</i> , 2018, 33, 1812-1816.   | 0.9  | 43        |
| 7  | Drug discovery for male subfertility using high-throughput screening: a new approach to an unsolved problem. <i>Human Reproduction</i> , 2017, 32, 974-984.   | 0.9  | 19        |
| 8  | Complex CatSper-dependent and independent [Ca <sup>2+</sup> ] <sub>i</sub> signalling in human spermatozoa induced by follicular fluid. <i>Human Reproduction</i> , 2017, 32, 1995-2006.  | 0.9  | 22        |
| 9  | Depolarization of sperm membrane potential is a common feature of men with subfertility and is associated with low fertilization rate at IVF. <i>Human Reproduction</i> , 2016, 31, 1147-1157.  | 0.9  | 57        |
| 10 | A spontaneous increase in intracellular Ca <sup>2+</sup> in metaphase II human oocytes in vitro can be prevented by drugs targeting ATP-sensitive K <sup>+</sup> channels. <i>Human Reproduction</i> , 2015, 31, dev300.                            | 0.9  | 6         |
| 11 | Specific loss of CatSper function is sufficient to compromise fertilizing capacity of human spermatozoa. <i>Human Reproduction</i> , 2015, 30, dev243.  | 0.9  | 61        |
| 12 | Clinically relevant enhancement of human sperm motility using compounds with reported phosphodiesterase inhibitor activity. <i>Human Reproduction</i> , 2014, 29, 2123-2135.  | 0.9  | 44        |
| 13 | Cation currents in human airway epithelial cells induced by infection with influenza A virus. <i>Journal of Physiology</i> , 2009, 587, 3159-3173.  | 2.9  | 13        |
| 14 | The regulation of selective and nonselective Na <sup>+</sup> conductances in H441 human airway epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 294, L942-L954.                             | 2.9  | 16        |
| 15 | A Ba <sup>2+</sup> -resistant, acid-sensitive K <sup>+</sup> conductance in Na <sup>+</sup> -absorbing H441 human airway epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 292, L1304-L1312. | 2.9  | 24        |
| 16 | Differential Phosphoinositide Binding to Components of the G Protein-Gated K <sup>+</sup> Channel. <i>Journal of Membrane Biology</i> , 2006, 211, 43-53.   | 2.1  | 13        |
| 17 | PKC- $\delta$ sensitizes Kir3.1/3.2 channels to changes in membrane phospholipid levels after M3 receptor activation in HEK-293 cells. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 289, C543-C556.                              | 4.6  | 40        |