# Hidenori Takeuchi

List of Publications by Year
in descending order



| 19 | 1,930 | 687363 13 | 888059 17 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 21 | 21 | 21 | 1865 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Defensin-like polypeptide LUREs are pollen tube attractants secreted from synergid cells. Nature, 2009, 458, 357-361. | 27.8 | 548 |
| 2 | Tip-localized receptors control pollen tube growth and LURE sensing in Arabidopsis. Nature, 2016, 531, 245-248. | 27.8 | 260 |
| 3 | A Species-Specific Cluster of Defensin-Like Genes Encodes Diffusible Pollen Tube Attractants in Arabidopsis. PLoS Biology, 2012, 10, e1001449. | 5.6 | 238 |
| 4 | The Mechanism and Key Molecules Involved in Pollen Tube Guidance. Annual Review of Plant Biology, 2015, 66, 393-413. | 18.7 | 181 |
| 5 | Independent Control by Each Female Gamete Prevents the Attraction of Multiple Pollen Tubes. Developmental Cell, 2013, 25, 317-323. | 7.0 | 133 |
| 6 | Live imaging of calcium spikes during double fertilization in Arabidopsis. Nature Communications, 2014, 5, 4722. | 12.8 | 125 |
| 7 | The histone H3 variant H3.3 regulates gene body DNA methylation in Arabidopsis thaliana. Genome Biology, 2017, 18, 94. | 8.8 | 116 |
| 8 | Rapid Elimination of the Persistent Synergid through a Cell Fusion Mechanism. Cell, 2015, 161, 907-918. | 28.9 | 111 |
| 9 | Structural basis for receptor recognition of pollen tube attraction peptides. Nature Communications, 2017, 8, 1331. | 12.8 | 55 |
| 10 | Attraction of tip-growing pollen tubes by the female gametophyte. Current Opinion in Plant Biology, 2011, 14, 614-621. | 7.1 | 53 |
| 11 | Live Imaging and Laser Disruption Reveal the Dynamics and Cellâ€“Cell Communication During Torenia fournieri Female Gametophyte Development. Plant and Cell Physiology, 2015, 56, 1031-1041. | 3.1 | 28 |
| 12 | Functional Analysis of the Plant Chromosomal Passenger Complex. Plant Physiology, 2020, 183, 1586-1599. | 4.8 | 23 |
| 13 | Generation of a homozygous fertilization-defective gcs1 mutant by heat-inducible removal of a rescue gene. Plant Reproduction, 2015, 28, 33-46. | 2.2 | 20 |
| 14 | The role of diverse LURE-type cysteine-rich peptides as signaling molecules in plant reproduction. Peptides, 2021, 142, 170572. | 2.4 | 15 |
| 15 | AtNOT1 Is a Novel Regulator of Gene Expression during Pollen Development. Plant and Cell Physiology, 2020, 61, 712-721. | 3.1 | 9 |
| 16 | Persistent directional growth capability in Arabidopsis thaliana pollen tubes after nuclear elimination from the apex. Nature Communications, 2021, 12, 2331. | 12.8 | 8 |
| 17 | Polyspermy Block in the Central Cell During Double Fertilization of Arabidopsis thaliana. Frontiers in Plant Science, 2020, 11, 588700. | 3.6 | 7 |
| 18 | èŠ±ç²‰ç®¡è³ªå¼•ç‰©è³ªãƒ«ã‚¢ãƒ¼ãƒ®ç™ºè¦‹. Kagaku To Seibutsu, 2009, 47, 617-623. | 0.0 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Quantification of Species-Preferential Micropylar Chemoattraction in Arabidopsis by Fluorescein Diacetate Staining of Pollen Tubes. International Journal of Molecular Sciences, 2022, 23, 2722. | 4.1 | 0 |