

# Sen Takeda

## List of Publications by Year in descending order

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Version: 2024-02-01

89  
papers

6,633  
citations

136950

32  
h-index

64796

79  
g-index

99  
all docs

99  
docs citations

99  
times ranked

6494  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Depletion of Ift88 in thymic epithelial cells affects thymic synapse and T-cell differentiation in aged mice. <i>Anatomical Science International</i> , 2022, , 1.                                  | 1.0 | 1         |
| 2  | Versatile Mass Spectrometry-Based Intraoperative Diagnosis of Liver Tumor in a Multiethnic Cohort. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4244.  | 2.5 | 3         |
| 3  | Hic gaudent mortui viventes docere. <i>Anatomical Science International</i> , 2022, 97, 233-234.  | 1.0 | 0         |
| 4  | Ultrastructural evidence for an unusual mode of ciliogenesis in mouse multiciliated epithelia. <i>Microscopy (Oxford, England)</i> , 2021, 70, 308-315.   | 1.5 | 2         |
| 5  | Prediction of Pathological and Radiological Nature of Glioma by Mass Spectrometry Combined With Machine Learning. <i>Neurosurgery Open</i> , 2021, 2, .   | 0.2 | 2         |
| 6  | Natural Herbal Estrogen-Mimetics (Phytoestrogens) Promote the Differentiation of Fallopian Tube Epithelium into Multi-Ciliated Cells via Estrogen Receptor Beta. <i>Molecules</i> , 2021, 26, 722.  | 3.8 | 1         |
| 7  | A new rapid diagnostic system with ambient mass spectrometry and machine learning for colorectal liver metastasis. <i>BMC Cancer</i> , 2021, 21, 262.   | 2.6 | 18        |
| 8  | Diagnostic significance of plasma lipid markers and machine learning-based algorithm for gastric cancer. <i>Oncology Letters</i> , 2021, 21, 405.   | 1.8 | 8         |
| 9  | New strategy for evaluating pancreatic tissue specimens from endoscopic ultrasound-guided fine needle aspiration and surgery. <i>JGH Open</i> , 2021, 5, 953-958.                                   | 1.6 | 2         |
| 10 | Odontoblast differentiation is regulated by an interplay between primary cilia and the canonical Wnt pathway. <i>Bone</i> , 2021, 150, 116001.  | 2.9 | 13        |
| 11 | High-performance Collective Biomarker from Liquid Biopsy for Diagnosis of Pancreatic Cancer Based on Mass Spectrometry and Machine Learning. <i>Journal of Cancer</i> , 2021, 12, 7477-7487.        | 2.5 | 7         |
| 12 | Identification of lymphatic endothelium in cranial arachnoid granulation-like dural gap. <i>Microscopy (Oxford, England)</i> , 2020, 69, 391-400.   | 1.5 | 22        |
| 13 | Rapid automated diagnosis of primary hepatic tumour by mass spectrometry and artificial intelligence. <i>Liver International</i> , 2020, 40, 3117-3124.   | 3.9 | 27        |
| 14 | Discovery of a Vertebrate-Specific Factor that Processes Flagellar Glycolytic Enolase during Motile Ciliogenesis. <i>IScience</i> , 2020, 23, 100992.   | 4.1 | 7         |
| 15 | Fallopian Tube Basal Stem Cells Reproducing the Epithelial Sheets In Vitro Stem Cell of Fallopian Epithelium. <i>Biomolecules</i> , 2020, 10, 1270.   | 4.0 | 9         |
| 16 | Sample Preparation for Probe Electrospray Ionization Mass Spectrometry. <i>Journal of Visualized Experiments</i> , 2020, , .  | 0.3 | 8         |
| 17 | Lipidome-based rapid diagnosis with machine learning for detection of TGF- $\beta$ signalling activated area in head and neck cancer. <i>British Journal of Cancer</i> , 2020, 122, 995-1004.       | 6.4 | 9         |
| 18 | Probe Electrospray Ionization (PESI) and Its Modified Versions: Dipping PESI (dPESI), Sheath-Flow PESI (sfPESI) and Adjustable sfPESI (ad-sfPESI). <i>Mass Spectrometry</i> , 2020, 9, A0092-A0092. | 0.6 | 17        |

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|----|---|-----|-----------|
| 19 | In vitro Time-lapse Imaging of Primary Cilium in Migrating Neuroblasts. <i>Bio-protocol</i> , 2020, 10, e3823.  | 0.4 | 2         |
| 20 | Using probe electrospray ionization mass spectrometry and machine learning for detecting pancreatic cancer with high performance. <i>American Journal of Translational Research (discontinued)</i> , 2020, 12, 171-179.         | 0.0 | 8         |
| 21 | CO-01 Prediction of pathological and radiological nature of glioma by mass spectrometry combined with machine learning. <i>Neuro-Oncology Advances</i> , 2020, 2, ii6-ii6.  | 0.7 | 0         |
| 22 | Estrogen and EGFR Pathways Regulate Notch Signaling in Opposing Directions for Multi-Ciliogenesis in the Fallopian Tube. <i>Cells</i> , 2019, 8, 933.   | 4.1 | 16        |
| 23 | Dynamic Changes in Ultrastructure of the Primary Cilium in Migrating Neuroblasts in the Postnatal Brain. <i>Journal of Neuroscience</i> , 2019, 39, 9967-9988.  | 3.6 | 35        |
| 24 | Sonic hedgehog enhances calcium oscillations in hippocampal astrocytes. <i>Journal of Biological Chemistry</i> , 2019, 294, 16034-16048.  | 3.4 | 11        |
| 25 | Real-time analysis of living animals and rapid screening of human fluid samples using remote sampling electrospray ionization mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 172, 372-378. | 2.8 | 6         |
| 26 | Transport Across the Choroid Plexus: How to Culture Choroid Plexus Cells and Establish a Functional Assay System. <i>NeuroMethods</i> , 2019, , 163-173.  | 0.3 | 0         |
| 27 | Detection of potential new biomarkers of atherosclerosis by probe electrospray ionization mass spectrometry. <i>Metabolomics</i> , 2018, 14, 38.  | 3.0 | 16        |
| 28 | Arima syndrome caused by CEP290 specific variant and accompanied with pathological cilium; clinical comparison with Joubert syndrome and its related diseases. <i>Brain and Development</i> , 2018, 40, 259-267.                | 1.1 | 8         |
| 29 | CFAP70 Is a Novel Axoneme-Binding Protein That Localizes at the Base of the Outer Dynein Arm and Regulates Ciliary Motility. <i>Cells</i> , 2018, 7, 124.   | 4.1 | 36        |
| 30 | Ambient mass spectrometry-based detection system for tumor cells in human blood. <i>Translational Cancer Research</i> , 2018, 7, 758-764.   | 1.0 | 4         |
| 31 | In vivo endoscopic mass spectrometry using a moving string sampling probe. <i>Analyst</i> , The, 2017, 142, 2735-2740.  | 3.5 | 12        |
| 32 | Construction of mass spectra database and diagnosis algorithm for head and neck squamous cell carcinoma. <i>Oral Oncology</i> , 2017, 75, 111-119.  | 1.5 | 22        |
| 33 | Desorption in Mass Spectrometry. <i>Mass Spectrometry</i> , 2017, 6, S0059-S0059.   | 0.6 | 9         |
| 34 | Hepatitis B virus prevents excessive viral production via reduction of cell death-inducing DFF45-like effectors. <i>Journal of General Virology</i> , 2017, 98, 1762-1773.  | 2.9 | 10        |
| 35 | Secondary Ion Mass Spectrometry Analysis of Renal Cell Carcinoma with Electrospray Droplet Ion Beams. <i>Mass Spectrometry</i> , 2017, 6, A0053-A0053.  | 0.6 | 2         |
| 36 | Towards Practical Endoscopic Mass Spectrometry. <i>Mass Spectrometry</i> , 2017, 6, S0070-S0070.  | 0.6 | 2         |

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|----|---|------|-----------|
| 37 | 9 + 0 and 9 + 2 cilia are randomly dispersed in the mouse node. <i>Microscopy</i> (Oxford, England), 2016, 65, 119-126.   | 1.5  | 10        |
| 38 | Modulation of primary cilia length by melanin-concentrating hormone receptor 1. <i>Cellular Signalling</i> , 2016, 28, 572-584.   | 3.6  | 44        |
| 39 | Involvement of FKBP6 in hepatitis C virus replication. <i>Scientific Reports</i> , 2015, 5, 16699.  | 3.3  | 14        |
| 40 | Observation of the Ciliary Movement of Choroid Plexus Epithelial Cells <em>Ex Vivo</em>. <i>Journal of Visualized Experiments</i> , 2015, , e52991.   | 0.3  | 5         |
| 41 | Development of Non-proximate Probe Electrospray Ionization for Real-Time Analysis of Living Animal. <i>Mass Spectrometry</i> , 2015, 3, S0048-S0048.  | 0.6  | 11        |
| 42 | Cilia in the choroid plexus: their roles in hydrocephalus and beyond. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 39.  | 3.7  | 66        |
| 43 | TRPV4 regulates the integrity of the bloodâ€cerebrospinal fluid barrier and modulates transepithelial protein transport. <i>FASEB Journal</i> , 2015, 29, 2247-2259.                              | 0.5  | 40        |
| 44 | Untreated and dried sample analysis by solid probe assisted nanoelectrospray ionization mass spectrometry. <i>Analytical Methods</i> , 2015, 7, 2630-2635.  | 2.7  | 2         |
| 45 | Association of nonsense mutation in GABRG2 with abnormal trafficking of GABAA receptors in severe epilepsy. <i>Epilepsy Research</i> , 2014, 108, 420-432.  | 1.6  | 38        |
| 46 | Biomolecular Analysis and Biological Tissue Diagnostics by Electrospray Ionization with a Metal Wire Inserted Gel-Loading Tip. <i>Analytical Chemistry</i> , 2014, 86, 987-992.                   | 6.5  | 15        |
| 47 | Direct Electrospray Ionization Mass Spectrometric Profiling of Real-World Samples via a Solid Sampling Probe. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1612-1615. | 2.8  | 11        |
| 48 | Developmental changes in ciliary motility on choroid plexus epithelial cells during the perinatal period. <i>Cytoskeleton</i> , 2013, 70, 797-803.  | 2.0  | 33        |
| 49 | 608 PROBE ELECTROSPRAY IONIZATION-MASS SPECTROMETRY AND BAYESIAN STATISTICS: A POTENTIAL OF NOVEL CANCER DIAGNOSTICS SYSTEM IN RENAL CELL CARCINOMA. <i>Journal of Urology</i> , 2013, 189, .     | 0.4  | 0         |
| 50 | Genetically encoded calcium indicator illuminates calcium dynamics in primary cilia. <i>Nature Methods</i> , 2013, 10, 1105-1107.   | 19.0 | 119       |
| 51 | Biomolecular analysis and cancer diagnostics by negative mode probe electrospray ionization. <i>Analyst, The</i> , 2013, 138, 1682.   | 3.5  | 37        |
| 52 | Real-time diagnosis of chemically induced hepatocellular carcinoma using a novel mass spectrometry-based technique. <i>Analytical Biochemistry</i> , 2013, 441, 32-37.                            | 2.4  | 39        |
| 53 | Characterization of ciliary targeting sequence of rat melanin-concentrating hormone receptor 1. <i>General and Comparative Endocrinology</i> , 2013, 188, 159-165.                                | 1.8  | 22        |
| 54 | Proteomic analysis of multiple primary cilia reveals a novel mode of ciliary development in mammals. <i>Biology Open</i> , 2012, 1, 815-825.  | 1.2  | 68        |

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|----|---|-----|-----------|
| 55 | Analysis of Renal Cell Carcinoma as a First Step for Developing Mass Spectrometry-Based Diagnostics. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1741-1749.                              | 2.8 | 61        |
| 56 | Application of Probe Electrospray Ionization Mass Spectrometry (PESI-MS) to Clinical Diagnosis: Solvent Effect on Lipid Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 2043-2047. | 2.8 | 49        |
| 57 | Solid probe assisted nanoelectrospray ionization mass spectrometry for biological tissue diagnostics. <i>Analyst</i> , The, 2012, 137, 4658.  | 3.5 | 29        |
| 58 | Hedgehog signaling regulates myelination in the peripheral nervous system through primary cilia. <i>Differentiation</i> , 2012, 83, S78-S85.  | 1.9 | 30        |
| 59 | Structure and function of vertebrate cilia, towards a new taxonomy. <i>Differentiation</i> , 2012, 83, S4-S11.  | 1.9 | 64        |
| 60 | Anatomy of the levator claviculae, with an overview and a literature survey. <i>Anatomical Science International</i> , 2012, 87, 203-211.   | 1.0 | 9         |
| 61 | Differential Neuroprotective Activity of Two Different Grape Seed Extracts. <i>PLoS ONE</i> , 2011, 6, e14575.  | 2.5 | 41        |
| 62 | Real-time analysis of living animals by electrospray ionization mass spectrometry. <i>Analytical Biochemistry</i> , 2011, 417, 195-201.   | 2.4 | 38        |
| 63 | Signaling through the primary cilium affects glial cell survival under a stressed environment. <i>Glia</i> , 2011, 59, 333-344.   | 4.9 | 35        |
| 64 | Direct analysis of lipids in mouse brain using electrospray droplet impact/SIMS. <i>Journal of Mass Spectrometry</i> , 2010, 45, 437-443.   | 1.6 | 11        |
| 65 | Multiple Primary Cilia Modulate the Fluid Transcytosis in Choroid Plexus Epithelium. <i>Traffic</i> , 2010, 11, 287-301.  | 2.7 | 83        |
| 66 | Physical properties of the probe electrospray ionization (PESI) needle applied to the biological samples. <i>Journal of Mass Spectrometry</i> , 2009, 44, 978-985.  | 1.6 | 59        |
| 67 | Ambient imaging mass spectrometry by electrospray ionization using solid needle as sampling probe. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1469-1477.   | 1.6 | 105       |
| 68 | Physiological role of primary cilia in glial cells as a biosensor for the Hh signaling pathway. <i>Neuroscience Research</i> , 2009, 65, S88.   | 1.9 | 0         |
| 69 | Histochemical Analysis of Renal Dysplasia with Ureteral Atresia. <i>Acta Histochemica Et Cytochemica</i> , 2009, 42, 65-71.   | 1.6 | 4         |
| 70 | Direct and Real-Time Surface Analysis and Imaging of Biological Samples by Probe Electrospray. <i>Journal of Surface Analysis (Online)</i> , 2009, 15, 279-282.   | 0.1 | 8         |
| 71 | Application of probe electrospray to direct ambient analysis of biological samples. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 2366-2374.   | 1.5 | 66        |
| 72 | Rare multiple combined anomaly of the vertebral vessels and bronchial artery. <i>Anatomical Science International</i> , 2008, 83, 267-272.  | 1.0 | 4         |

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|----|--|------|-----------|
| 73 | Large-caliber persistent sciatic artery with aneurysm. <i>Anatomical Science International</i> , 2008, 83, 301-306.  | 1.0  | 12        |
| 74 | Characteristics of Probe Electrospray Generated from a Solid Needle. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11164-11170.  | 2.6  | 79        |
| 75 | Nodal Flow and the Generation of Left-Right Asymmetry. <i>Cell</i> , 2006, 125, 33-45.   | 28.9 | 497       |
| 76 | Mechanism of Nodal Flow: A Conserved Symmetry Breaking Event in Left-Right Axis Determination. <i>Cell</i> , 2005, 121, 633-644.   | 28.9 | 424       |
| 77 | Role of KIF3 motor protein in Golgi positioning and integration. <i>Journal of Cell Biology</i> , 2002, 158, 293-303.  | 5.2  | 77        |
| 78 | Charcot-Marie-Tooth Disease Type 2A Caused by Mutation in a Microtubule Motor KIF1B <sup>Δ2</sup> . <i>Cell</i> , 2001, 105, 587-597.  | 28.9 | 725       |
| 79 | Kinesin Superfamily Protein 3 (Kif3) Motor Transports Fodrin-Associating Vesicles Important for Neurite Building. <i>Journal of Cell Biology</i> , 2000, 148, 1255-1266.   | 5.2  | 179       |
| 80 | Left-Right Asymmetry and Kinesin Superfamily Protein KIF3A: New Insights in Determination of Laterality and Mesoderm Induction by kif3A <sup>Δ2/Δ2</sup> Mice Analysis. <i>Journal of Cell Biology</i> , 1999, 145, 825-836. | 5.2  | 419       |
| 81 | Randomization of Left-Right Asymmetry due to Loss of Nodal Cilia Generating Leftward Flow of Extraembryonic Fluid in Mice Lacking KIF3B Motor Protein. <i>Cell</i> , 1999, 99, 116.  | 28.9 | 4         |
| 82 | Targeted Disruption of Mouse Conventional Kinesin Heavy Chain kif5B, Results in Abnormal Perinuclear Clustering of Mitochondria. <i>Cell</i> , 1998, 93, 1147-1158.  | 28.9 | 590       |
| 83 | Randomization of Left-Right Asymmetry due to Loss of Nodal Cilia Generating Leftward Flow of Extraembryonic Fluid in Mice Lacking KIF3B Motor Protein. <i>Cell</i> , 1998, 95, 829-837.                                      | 28.9 | 1,489     |
| 84 | Gene Targeting Studies Begin to Reveal the Function of Neurofilament Proteins. <i>Journal of Cell Biology</i> , 1998, 143, 1-4.  | 5.2  | 83        |
| 85 | Slow axonal transport: the subunit transport model. <i>Trends in Cell Biology</i> , 1997, 7, 384-388.  | 7.9  | 109       |
| 86 | Active transport of photoactivated tubulin molecules in growing axons revealed by a new electron microscopic analysis.. <i>Journal of Cell Biology</i> , 1996, 133, 1347-1353.   | 5.2  | 41        |
| 87 | Synapsin I deficiency results in the structural change in the presynaptic terminals in the murine nervous system.. <i>Journal of Cell Biology</i> , 1995, 131, 1789-1800.  | 5.2  | 155       |
| 88 | Tubulin dynamics in neuronal axons of living zebrafish embryos. <i>Neuron</i> , 1995, 14, 1257-1264.   | 8.1  | 63        |
| 89 | Differential dynamics of neurofilament-H protein and neurofilament-L protein in neurons.. <i>Journal of Cell Biology</i> , 1994, 127, 173-185.   | 5.2  | 62        |