

Top Viewed Titles

Daily Ranking: 30. July

Rank	View	Like	Number	Presenter	Title
	270	11	1PL01	Susumu Tonegawa	Neuroscience of Episodic Learning and Memory
	169	9	1EL04	Schuichi Koizumi	Control by glia of brain functions
	158	1	1P-137	Shu-Chuan Yang	Taiwanese field mice/Formosan wood mice (<i>Apodemus semotus</i>) exhibit higher levels of exploratory behaviors and central dopaminergic activities than C57BL/6 mice in the open field test
4	147	1	1P-136	Kun-Ruey Shieh	Taiwanese field mice/Formosan wood mice (<i>Apodemus semotus</i>) show less-anxious behaviors than C57BL/6 mice in the light-dark exploration test
5	114	8	2PL01a	Catherine G Dulac	Neurobiology of Social Behavior
6	110	7	3PL01	Giulio Tononi	Consciousness: From Theory to Practice
7	106	7	2SL02m-1	Kenji Doya	What can we further learn from the brain for artificial intelligence
8	101	7	4EL06	Sakiko Honjoh	Neural activity dynamics across sleep/wake cycles
9	100	5	2EL06	Taro Toyozumi	Theoretically studying the brain
10	96	7	2PL01m	Daniel Geschwind	Integrative Genomics in Neuropsychiatric Disorders
11	94	5	2EL04	Shigeyoshi Fujisawa	Neuronal oscillations and information processing in the hippocampus
12	84	3	1SL02	Masanobu Kano	Shaping mature neural circuits through synapse pruning
13	82	6	2SEL06	Osamu Sakura × Yuji Ikegaya	Considering science and technology in the cultural context of public society
14	81	3	3BPL02	Peter Dayan	Replay
15	80	5	2EL05	Makiko Yamada	Neuroscience of cognitive bias: linking mind and brain
16	79	8	3SL02	Michisuke Yuzaki	How to build a synapse: new mechanisms by extracellular scaffolding
17	63	4	3EL06	Ryota Hashimoto	Trend watch for elucidation of pathological mechanisms of mental illness
18	62	1	4SL02	Hideyuki Okano	Investigation of Human Neurological/Psychiatric Disorders using iPSCs and Genetically Modified Non-Human Primates
19	61	10	1EL05	Kazushige Touhara	Olfactory neuroscience research from a chemical point of view
19	61	3	1S02m-01	Ryohei Yasuda	Imaging neuronal intracellular signal transduction using multiphoton fluorescence lifetime imaging microscopy
21	59	4	2SL02m-2	Noriko Osumi	Transgenerational epigenetics: a possible scenario for the onset of neurodevelopmental diseases
22	56	7	3SL01	Bosiljka Tasic	Cell types of adult mouse cortex and hippocampus
22	56	1	1EL06	Ryohto Sawada	Mutual learning between human and AI in Shogi and its quantification
24	55	0	1S02m-04	Masanori Murayama	Fast, wide and contiguous field-of-view two-photon Ca ²⁺ imaging
25	48	2	3EL04	Takefumi Kikusui	Social Neuroendocrinology: Roles of endocrine for social formation
26	47	1	1AL02a-1	Yasushi Okada	Development of super-resolution microscopy and its application to the study of the axonal transport
27	46	4	2SEL06	Osamu Sakura	Considering science and technology in the cultural context of public society
28	45	2	4EL05	Yumiko Yoshimura	Experience-dependent developmental mechanisms in the visual cortex

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29	44	2	4EL04	Takufumi Yanagisawa	Clinical application of neural decoding and brain-computer interface
30	42	1	1S02m-05	Lin Tian	Imaging serotonin dynamics in living behaving animals
30	42	1	3S08m-01	Naoshige Uchida	A normative perspective on the diversity of dopamine neurons
32	41	2	3EL05	Takafumi Minamimoto	Visualizing and manipulating primate neural circuits by chemogenetic imaging
33	37	1	4ES03a-04	Takefumi Kikusui	"Nakayoshi" strategy at a small and middle class private university
34	36	1	2AL02a-1	Junichi Nabekura	Remodeling of neuronal circuits in vivo :glia-neuron interaction
34	36	3	3S08m-02	Will Dabney	A distributional code for value in dopamine-based reinforcement learning
34	36	3	4ES03a-03	Kumi O. Kuroda	Blue ocean strategy + My Work-Life balance = Neurobiology of parent-infant relations
37	35	3	1S08a-02	Hiroki R Ueda	Systems Biology of Mammalian Sleep/Wake Cycles ~Phosphorylation Hypothesis of Sleep~
38	32	2	4ES03a-01	Masako Myowa	Slow but steady
39	31	3	1S09m-01	Aki Takahashi	Neural mechanism of social frustration and escalation of aggressive behavior
39	31	2	2S03m-02	Shigeru Kitazawa	The here and now in the default mode network
39	31	2	2S03a-01	Hiroaki Wake	Microglial role for creative deconstruction of brain parenchyma
39	31	2	3S09a-01	Shinichiro Tsutsumi	Cerebellar cortical involvement in rapid sensorimotor associations
43	29	1	3P-192	Kentaro Tao	Social neuronal ensemble in the ventral hippocampus
44	28	1	1S03a-02	Ryo Aoki	Plasticity of visual cortical circuits driven by millisecond patterned optogenetic manipulations at cellular-level resolution
44	28	2	1S03a-05	Fumi Kubo	An Optical Illusion Pinpoints an Essential Circuit Node for Global Motion Processing
44	28	4	1S04a-02	Shohei Furutachi	Synergistic modulation of sensory processing by higher-order thalamus and inhibitory interneurons in primary visual cortex
44	28	3	2S05m-01	Teruhiro Okuyama	Social memory representation in the hippocampus
48	27	1	1AL02a-2	Takuya Takahashi	Synaptic plasticity: from bench to bedside
48	27	1	1S05m-01	Toru Ishii	Introduction: Towards an understanding of the human hippocampus
50	25	0	1S03m-01	Itaru Imayoshi	Regulatory Mechanism of Neural Stem Cells Revealed by Optical Manipulation of Gene Expressions
50	25	3	2S07a-01	Yu Hayashi	Crucial roles for REM sleep in maintaining brain homeostasis as revealed from genetic and imaging approaches
50	25	1	3S07m-03	Masayasu Okada	Novel molecular markers for axon growth and regeneration discovered from the growth cone-phosphoproteomes
50	25	1	1P-068	Masahiro Nakano	Response adaptation and deviant detection in mouse primary visual cortex
54	24	3	1S07a-02	Jun Yamamoto	Role of Reverberating Neural Oscillations in Entorhinal-Hippocampus Circuits during Episodic Memory Task
54	24	1	1S08a-01	Arisa Hirano	Neural circuit of circadian sleep regulation in mice.
54	24	1	2S05m-03	Masatoshi Inoue	Single-neuron social representations in prefrontal cortex
54	24	2	2S06m-01	Kenneth D Harris	Nneurons → ∞
54	24	0	3S08m-04	Paul W. Glimcher	Normalization Models of Decision-Making
54	24	0	LBA-044	TSUKASA KAMIGAKI	Modality effects in working memory retention in the prefrontal cortex
54	24	0	4AL	Michisuke Yuzaki	Neuroscience Society Young Investigator Awardees - Fiscal Year 2020 Words of Congratulations and Acceptance Speeches
61	23	2	2S07a-02	Makoto Higuchi	Theranostic assessments of brain atrophy mediated by brain-to-blood transport of neurons via microglia and border-associated macrophages
62	22	1	1S03m-05	Tatsunori Seki	To what extent does adult neurogenesis occur in the human hippocampus?

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62	22	3	1S07a-03	Kenji Mizuseki	Pathway-specific information outflow from the subiculum
62	22	0	2S05a-04	Ayumu Yamashita	Resting state functional connectivity marker for major depressive disorder which generalizes to data acquired from independent imaging site.
65	21	1	2AL02a-2	Norio Ozaki	Elucidation of molecular pathophysiology of autistic spectrum disorder and schizophrenia starting from rare disease-susceptibility variants
65	21	3	1S06m-07	Shinji Nishimoto	Predicting decodability: physiology, models, and individual differences
65	21	0	1S08a-06	Sakiko Honjoh	Neural circuits underlying NREM sleep specific brain waves
65	21	2	3O09m-3-01	Ayaka Kato	Encoding of an innate value of odors by dopaminergic neurons
69	20	0	3AL02m	Haruki Takeuchi	Cell-type specific patterned activities specify gene expression patterns for olfactory circuit formation
69	20	0	1S02m-02	Liangyi Chen	Super-resolution fluorescence assisted diffraction computational tomography reveals the three-dimensional landscape of cellular organelle interactome
69	20	1	1S03m-03	Taito Matsuda	Direct reprogramming of microglia into functional neurons in the adult mouse brain
69	20	0	1S08a-04	Takayasu Mikuni	Genome editing-based approaches for single-cell molecular imaging in brain tissue
69	20	3	2S03m-01	Daniel S Margulies	Situating the DMN along a principal gradient of macroscale cortical organization
69	20	3	2S06m-05	Teppe Matsui	Calcium imaging of spontaneous and stimulus-evoked activity in the marmoset visual cortex
69	20	4	2S04a-01	Yuichiro Oka	Neuronal circuits of subplate neurons
69	20	1	2S05a-03	Hidehiko Takahashi	Interface between AI and schizophrenia research
69	20	0	3S07m-02	Ikuko Yao	Imaging of neurotransmitters with mass spectrometry
69	20	1	3S04a-01	Stephan Lammel	Diversity of Dopamine Neurons in Reward and Aversion
69	20	3	1P-019	Mayuko Yoshino	Characterization of U-fibers in the gyrencephalic ferret brain
80	19	1	1S02m-03	Lingyan Shi	High Resolution Vibrational Imaging of Brain Metabolism
81	18	3	1S05m-02	Valerie Carr	Hippocampal Subfields Group: Developing a harmonized protocol for segmenting human hippocampal subfields via MRI
81	18	2	1S09m-02	Shiho Kitaoka	The roles of iron metabolism in repeated stress-induced behavioral change
81	18	3	1S07a-01	Daoyun Ji	Hippocampal place cells and awake replay in contextual fear memory
81	18	0	2S06m-03	Hitoshi Okazaki	Intrinsic dynamics of the dendritic spines
81	18	4	2S03a-02	Ayuko Hoshino	Exosomal proteins: Roles in disease etiology and biomarker potential
81	18	0	2S03a-03	Kazuo Emoto	Molecular and cellular basis for neural circuit remodeling
81	18	0	2S09a-02	Hikaru Takeuchi	Neural bases of individual differences of creativity
81	18	2	3S08m-03	Christine Constantinople	Neural basis of dynamic risk preferences
81	18	0	1P-003	Souta Abe	The regulation of adult neurogenesis in hippocampus by chronic fluoxetine treatment via parvalbumin-positive interneurons
81	18	2	1P-093	Daichi Konno	Discrete spread patterns of spontaneous neural activity in the rat visual cortex
81	18	2	1P-150	Akinobu Ohba	Theta-phase locked neuronal activity is necessary for memory consolidation during REM sleep
81	18	1	LBA-020	Tomoaki morimoto	A microscade detection method based on an RNN machine learning technique
93	17	0	1S04m-05	Nobuhiko Miyasaka	A neural substrate for motivated behavior following appetitive olfactory learning in zebrafish
93	17	1	3O11m-1-04	Rui Iizuka	Cellular and molecular mechanisms of neocortical integration through area-specific migration mode
93	17	0	2P-049	Haruna Ueda	Upregulated glutamate response and oscillation of [Ca ²⁺] _i increases of perilesional reactive astrocyte after closed-head injury
93	17	1	2P-050	Akira Kawata	Localization of astrocyte marker proteins in the rat mesencephalic trigeminal nucleus

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93	17	0	2P-237	Tetsuya Sasaki	Cortical dysplasia caused by interleukin 17A and its involvement in pathophysiology of ASD
98	16	1	1S06m-03	Aurelio Cortese	Brain network dynamics fingerprints are resilient to data heterogeneity
98	16	0	1S03a-04	James H Marshel	Ensemble-specific all optical interrogation of cortical circuit dynamics underlying visually guided behavior
98	16	0	1S05a-06	Akihiro Yamanaka	Regulatory mechanism of sleep/wakefulness and memory
98	16	1	2S08m-03	Masaaki Nishiyama	Oligodendrocyte dysfunction by CHD8 haploinsufficiency shapes the core autistic-like phenotypes in mice
98	16	2	1O06m-3-01	Yoichi Miyawaki	Decoding of neural information representation independent of hemodynamic delays using the ultra-fast acquisition of ultra-high field fMRI signals
98	16	0	1P-129	Airi Yoshimoto	Stimulating the medial forebrain bundle modulates central and peripheral functions
98	16	1	2P-271	Daisuke Ino	Development of new fluorescent probes for imaging of prosocial signaling in the brain
105	15	1	1S09m-04	Menard Caroline	Social stress induces neurovascular cellular and molecular changes promoting depression
105	15	2	1S08a-05	Hiromasa Funato	SIK family regulates sleep and circadian behavior
105	15	1	2S03m	Shigeru Kitazawa	The default mode network: the mastermind behind the scenes Introduction
105	15	0	2S06m-04	Junosuke Teramae	Dual stochasticity in the cortex as a biologically plausible learning with the most efficient coding
105	15	2	2S04a-04	Anna Hoerder-Suabedissen	L6b - buried in the white matter, a remnant and of no known function?
105	15	0	2S09a-05	Takeshi Ogawa	Individual trait and brain dynamics associated with creative insight
105	15	0	3S04a-05	Michael J. Frank	Computational modeling of frontal cortex and basal ganglia during inhibitory control and decision making
105	15	3	4S02m-02	Miho Nakajima	Attentional rules are decoded by anatomically fixed PFC output neurons
105	15	0	1O05m-3-03	Kyogo Kobayashi	Calcium imaging of hippocampal CA1 engram cells during a contextual fear conditioning paradigm
105	15	0	1O07m-1-02	Takuma Mori	A viral based treatment of synaptic and behavioral deficits of the mouse with an autism associated mutation of neuroligin3
105	15	2	1P-049	Shinya Nakai	Astrocyte-Neuron Lactate Shuttle dysfunction caused cognitive impairment in STZ-induced diabetic mice
105	15	2	1P-152	Akihiro Shimbo	Hippocampal time cells represent elapsed time relatively
105	15	1	2P-208	Zhongtian Guo	Long-term in vivo multiphoton microscopy imaging of Alzheimer's disease model mouse