

# Satoshi Nozaki

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

2,282  
citations

279798

23  
h-index

276875

41  
g-index

41  
all docs

41  
docs citations

41  
times ranked

3349  
citing authors

#	ARTICLE	IF	CITATIONS
1	Directed differentiation of telencephalic precursors from embryonic stem cells. <i>Nature Neuroscience</i> , 2005, 8, 288-296.	14.8	727
2	<sup>64</sup> Cu-DOTA-Trastuzumab PET Imaging in Patients with HER2-Positive Breast Cancer. <i>Journal of Nuclear Medicine</i> , 2013, 54, 1869-1875.	5.0	235
3	Antifatigue effects of coenzyme Q10 during physical fatigue. <i>Nutrition</i> , 2008, 24, 293-299.	2.4	138
4	In <sup>64</sup> Cu-DOTA- <i>in vivo</i> Gold Complex Catalysis within Live Mice. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3579-3584.	13.8	129
5	Establishment and assessment of a rat model of fatigue. <i>Neuroscience Letters</i> , 2003, 352, 159-162.	2.1	123
6	Assessment of microPET performance in analyzing the rat brain under different types of anesthesia: comparison between quantitative data obtained with microPET and <i>ex vivo</i> autoradiography. <i>NeuroImage</i> , 2003, 20, 2040-2050.	4.2	106
7	Noninvasive Imaging of Dendrimer-Type N-Glycan Clusters: <i>In Vivo</i> Dynamics Dependence on Oligosaccharide Structure. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8195-8200.	13.8	100
8	Mental and physical fatigue-related biochemical alterations. <i>Nutrition</i> , 2009, 25, 51-57.	2.4	70
9	Visualizing Trimming Dependence of Biodistribution and Kinetics with Homo- and Heterogeneous N-Glycoclusters on Fluorescent Albumin. <i>Scientific Reports</i> , 2016, 6, 21797.	3.3	52
10	Daily oral administration of crocetin attenuates physical fatigue in human subjects. <i>Nutrition Research</i> , 2009, 29, 145-150.	2.9	49
11	<i>In Vitro</i> Autoradiographic Localization of <sup>125</sup> I-Secretin Receptor Binding Sites in Rat Brain. <i>Biochemical and Biophysical Research Communications</i> , 2002, 292, 133-137.	2.1	35
12	Molecular imaging reveals unique degenerative changes in experimental glaucoma. <i>NeuroReport</i> , 2009, 20, 139-144.	1.2	34
13	A Combined <sup>6</sup> Li-Azaelectrocyclization/Staudinger Approach to Protein and Cell Engineering: Noninvasive Tumor Targeting by N-Glycan-Engineered Lymphocytes. <i>Journal of Carbohydrate Chemistry</i> , 2010, 29, 118-132.	1.1	32
14	Glycan multivalency effects toward albumin enable N-glycan-dependent tumor targeting. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2251-2254.	2.2	32
15	Effects of Applephenon <sup>®</sup> and ascorbic acid on physical fatigue. <i>Nutrition</i> , 2007, 23, 419-423.	2.4	31
16	Changes in plasma and tissue amino acid levels in an animal model of complex fatigue. <i>Nutrition</i> , 2009, 25, 597-607.	2.4	30
17	Sequential Double "Clicks" toward Structurally Well-Defined Heterogeneous N-Glycoclusters: The Importance of Cluster Heterogeneity on Pattern Recognition <i>In Vivo</i> . <i>Advanced Science</i> , 2017, 4, 1600394.	11.2	30
18	Administration of secretin for autism alters dopamine metabolism in the central nervous system. <i>Brain and Development</i> , 2006, 28, 99-103.	1.1	27

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19	Thiamine tetrahydrofurfuryl disulfide improves energy metabolism and physical performance during physical-fatigue loading in rats. <i>Nutrition Research</i> , 2009, 29, 867-872.	2.9	27
20	Electrocyclization-Based Labeling Allows Efficient In Vivo Imaging of Cellular Trafficking. <i>ChemMedChem</i> , 2010, 5, 841-845.	3.2	27
21	Effects of oral administration of caffeine and D-ribose on mental fatigue. <i>Nutrition</i> , 2008, 24, 233-238.	2.4	26
22	A viable strategy for screening the effects of glycan heterogeneity on target organ adhesion and biodistribution in live mice. <i>Chemical Communications</i> , 2018, 54, 8693-8696.	4.1	26
23	PET Imaging Analysis with <sup>64</sup> Cu in Disulfiram Treatment for Aberrant Copper Biodistribution in Menkes Disease Mouse Model. <i>Journal of Nuclear Medicine</i> , 2014, 55, 845-851.	5.0	25
24	In Vivo Gold Complex Catalysis within Live Mice. <i>Angewandte Chemie</i> , 2017, 129, 3633-3638.	2.0	25
25	Ursolic acid derivatives from Bangladeshi medicinal plant, <i>Saurauja roxburghii</i> : Isolation and cytotoxic activity against A431 and C6 glioma cell lines. <i>Phytochemistry Letters</i> , 2011, 4, 287-291.	1.2	21
26	Synthesis of <sup>11</sup> C-Labeled Thiamine and Fursultiamine for in Vivo Molecular Imaging of Vitamin B <sub>1</sub> and Its Prodrug Using Positron Emission Tomography. <i>Journal of Organic Chemistry</i> , 2015, 80, 6250-6258.	3.2	19
27	Recovery from fatigue: changes in local brain 2-[ <sup>18</sup> F]fluoro-2-deoxy-d-glucose utilization measured by autoradiography and in brain monoamine levels of rat. <i>Neuroscience Letters</i> , 2003, 353, 169-172.	2.1	14
28	Auxiliary-directed oxidation of ursolic acid by Ru-porphyrins: chemical modulation of cytotoxicity against tumor cell lines. <i>Tetrahedron Letters</i> , 2012, 53, 1756-1759.	1.4	14
29	Decrease of hepatic $\alpha$ -aminolevulinatase activity in an animal model of fatigue. <i>Biochemical and Biophysical Research Communications</i> , 2007, 353, 1068-1073.	2.1	10
30	Anti-fatigue effect of dicethiamine hydrochloride is likely associated with excellent absorbability and high transformability in tissues as a vitamin B1. <i>European Journal of Pharmacology</i> , 2010, 635, 117-123.	3.5	10
31	PET imaging of <sup>11</sup> C-labeled coenzyme Q10: Comparison of biodistribution between [ <sup>11</sup> C]ubiquinol-10 and [ <sup>11</sup> C]ubiquinone-10. <i>Biochemical and Biophysical Research Communications</i> , 2019, 512, 611-615.	2.1	10
32	Template-Assisted and Self-Activating Clicked Peptide as a Synthetic Mimic of the SH2 Domain. <i>ACS Chemical Biology</i> , 2012, 7, 637-645.	3.4	7
33	Improvement by repeated administration of 6R-tetrahydrobiopterin of 5,7-dihydroxytryptamine-induced abnormal behaviors in immature rats. <i>Biochemical and Biophysical Research Communications</i> , 2003, 302, 156-161.	2.1	6
34	Development of Diagnostic Techniques for Early Rheumatoid Arthritis Using Positron Emission Tomography with [ <sup>11</sup> C]PK11195 and [ <sup>11</sup> C]Ketoprofen Tracers. <i>Molecular Imaging and Biology</i> , 2017, 19, 746-753.	2.6	6
35	A conformationally fixed analog of the peptide mimic Grb2-SH2 domain: synthesis and evaluation against the A431 cancer cell. <i>Molecular BioSystems</i> , 2013, 9, 1019.	2.9	5
36	In vivo imaging of advanced glycation end products (AGEs) of albumin: first observations of significantly reduced clearance and liver deposition properties in mice. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 5755-5760.	2.8	4

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37	PET Imaging Analysis of Vitamin B1 Kinetics with [11C]Thiamine and its Derivative [11C]Thiamine Tetrahydrofurfuryl Disulfide in Rats. <i>Molecular Imaging and Biology</i> , 2018, 20, 1001-1007.	2.6	4
38	Disulfiram enhanced delivery of orally administered copper into the central nervous system in Menkes disease mouse model. <i>Journal of Inherited Metabolic Disease</i> , 2018, 41, 1285-1291.	3.6	4
39	Establishment and assessment of a rat model of fatigue. <i>Neuroscience Letters</i> , 2003, 352, 159-159.	2.1	3
40	Performance evaluation of microPET P4 for rat, rabbit and monkey. <i>International Congress Series</i> , 2004, 1265, 69-73.	0.2	2