

# Toshihito Ohtake

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7059541/publications.pdf>

Version: 2024-02-01

25  
papers

213  
citations

1040056

9  
h-index

996975

15  
g-index

25  
all docs

25  
docs citations

25  
times ranked

249  
citing authors

#	ARTICLE	IF	CITATIONS
1	Classification of DNA-binding mode of antitumor and antiviral agents by the electrochemiluminescence of ruthenium complex. <i>Analytical Biochemistry</i> , 2003, 314, 30-37.	2.4	32
2	Electrochemical luminescence of ZnGa <sub>2</sub> O <sub>4</sub> semiconductor electrodes activated with Cr and Co. <i>Chemical Physics Letters</i> , 2000, 318, 517-521.	2.6	28
3	Electrochemical luminescence of ZnGa <sub>2</sub> O <sub>4</sub> and ZnGa <sub>2</sub> O <sub>4</sub> :Mn electrodes. <i>Chemical Physics Letters</i> , 1998, 298, 395-399.	2.6	21
4	Immobilization of Probe DNA on Ta <sub>2</sub> O <sub>5</sub> Thin Film and Detection of Hybridized Helix DNA using IS-FET. <i>Japanese Journal of Applied Physics</i> , 2004, 43, L1137-L1139.	1.5	20
5	DNA nanopatterning with self-organization by using nanoimprint. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2004, 22, 3275.	1.6	18
6	Electrochemical luminescence of n-type ZnO semiconductor electrodes doped with rare earth metals under the anodic polarization. <i>Applied Surface Science</i> , 2006, 253, 1753-1757.	6.1	17
7	Direct Deoxyribonucleic Acid Detection Using Ion-Sensitive Field-Effect Transistors Based on Peptide Nucleic Acid. <i>Japanese Journal of Applied Physics</i> , 2004, 43, L1584-L1587.	1.5	16
8	Photoluminescence dependence on imposing bias for ZnGa <sub>2</sub> O <sub>4</sub> and ZnGa <sub>2</sub> O <sub>4</sub> activated with Mn <sup>2+</sup> or Cr <sup>3+</sup> n-type semiconductor electrodes. <i>Electrochemistry Communications</i> , 2005, 7, 1389-1392.	4.7	14
9	Electrochemical Luminescence of ZnGa <sub>2</sub> O <sub>4</sub> and ZnGa <sub>2</sub> O <sub>4</sub> : Mn Semiconductor Electrodes. "Emission Mechanism under Cathodic and Anodic Polarization". <i>Bulletin of the Chemical Society of Japan</i> , 1999, 72, 2617-2623.	3.2	10
10	A novel synthesis of Zn <sub>2</sub> SiO <sub>4</sub> thin film on n-type ZnO semiconductor electrode and its electrochemical luminescence under the anodic polarization. <i>Journal of Alloys and Compounds</i> , 2006, 421, 163-165.	5.5	8
11	Fabrication and Characterization of Gold "Platinum Black Electrode. <i>Chemistry Letters</i> , 2001, 30, 160-161.	1.3	7
12	Novel DNA Nano-Patterning Design Method Utilizing Poly-L-Lysine Patterning by Nanoimprint Lithography. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 2187-2190.	0.9	7
13	Development of High Sensitive DNA Sensor by Using Probe PNA with IS-FET Electrode. <i>Electrochemistry</i> , 2006, 74, 114-117.	1.4	6
14	DNA Patterning by Nano-imprinting Technique and Its Application for Bio-chips.. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2005, 18, 519-522.	0.3	3
15	Quantum Electrochemistry: New Aspects in Electrochemistry and Electrocatalysis. <i>Electrochemistry</i> , 2018, 86, 158-174.	1.4	2
16	ATR-FTIR and XPS Evaluation of Alkyl Immobilization by Hydrosilylation on n-Si(111) for Photoelectrochemical Cell Electrode. <i>Journal of Surface Engineered Materials and Advanced Technology</i> , 2013, 03, 7-10.	0.2	2
17	Catalytic Conversion of Methanol by Oxidative Dehydrogenation. <i>Journal of Natural Gas Chemistry</i> , 2007, 16, 1-5.	1.8	1
18	&lt;i>In Situ&/i> ATR-FTIR Observation about Surfactant/Hydrogen-Terminated Si(111) Interface in Solution. <i>Journal of Surface Engineered Materials and Advanced Technology</i> , 2014, 04, 47-52.	0.2	1

#	ARTICLE	IF	CITATIONS
19	Electrochemiluminescence Properties and Mechanism of 2,2'-Bipyridine Solution in the Presence of Persulfate by Spectroscopy. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2005, 18, 711-713.	0.3	0
20	Direct DNA detection using ion-sensitive field effect transistors (IS-FETs) based on peptide nucleic acid. , 2004, , .		0
21	Methyl Termination and ATR-FTIR Evaluation of n-Si(111) Electrode towards Photoelectrochemical Cell Fabrication. Journal of Surface Engineered Materials and Advanced Technology, 2013, 03, 169-171.	0.2	0
22	Fabrication by Fine Particles and Evaluation of WO <sub>3</sub> Photo Semiconductor Electrode. Journal of Materials Science and Chemical Engineering, 2013, 01, 51-54.	0.4	0
23	Single Phase Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Synthesis for Nanoparticles by Two Steps Sintering. Journal of Materials Science and Chemical Engineering, 2015, 03, 5-10.	0.4	0
24	Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Synthesis with High Specific Surface Area and Single Phase. Journal of Materials Science and Chemical Engineering, 2015, 03, 68-73.	0.4	0
25	Surface Oxide Protection of Si(111) in Solution by the Surfactant Molecules. Journal of Surface Engineered Materials and Advanced Technology, 2017, 07, 61-68.	0.2	0