

# Takanari Togashi

## List of Publications by Year in descending order

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54  
papers

940  
citations

567281

15  
h-index

477307

29  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1291  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoparticle chemisorption printing technique for conductive silver patterning with submicron resolution. <i>Nature Communications</i> , 2016, 7, 11402.	12.8	104
2	Highly Efficient Electrocatalysis and Mechanistic Investigation of Intermediate IrO <sub>x</sub> (OH) <sub>y</sub> Nanoparticle Films for Water Oxidation. <i>ACS Catalysis</i> , 2016, 6, 3946-3954.	11.2	96
3	Surfactant-assisted one-pot synthesis of superparamagnetic magnetite nanoparticle clusters with tunable cluster size and magnetic field sensitivity. <i>Dalton Transactions</i> , 2011, 40, 1073-1078.	3.3	93
4	Electrocatalytic water splitting with unprecedentedly low overpotentials by nickel sulfide nanowires stuffed into carbon nitride scabbards. <i>Energy and Environmental Science</i> , 2021, 14, 5358-5365.	30.8	84
5	Grain-Boundary-Free Super-Proton Conduction of a Solution-Processed Prussian-Blue Nanoparticle Film. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5531-5535.	13.8	52
6	Grain-Boundary-Free Super-Proton Conduction of a Solution-Processed Prussian-Blue Nanoparticle Film. <i>Angewandte Chemie</i> , 2017, 129, 5623-5627.	2.0	44
7	Direct and Selective Immobilization of Proteins by Means of an Inorganic Material-Binding Peptide: Discussion on Functionalization in the Elongation to Material-Binding Peptide. <i>Journal of Physical Chemistry B</i> , 2010, 114, 480-486.	2.6	35
8	Material-binding peptide application—ZnO crystal structure control by means of a ZnO-binding peptide. <i>Journal of Bioscience and Bioengineering</i> , 2011, 111, 140-145.	2.2	34
9	Continuous hydrothermal synthesis of 3,4-dihydroxyhydrocinnamic acid-modified magnetite nanoparticles with stealth-functionality against immunological response. <i>Journal of Materials Chemistry</i> , 2012, 22, 9041.	6.7	33
10	High Affinity Anti-inorganic Material Antibody Generation by Integrating Graft and Evolution Technologies. <i>Journal of Biological Chemistry</i> , 2010, 285, 7784-7793.	3.4	29
11	Surfactant-Assisted Hydrothermal Synthesis of Water-Dispersible Hafnium Oxide Nanoparticles in Highly Alkaline Media. <i>Crystal Growth and Design</i> , 2012, 12, 5219-5226.	3.0	24
12	Concisely Synthesized FeNiWO <sub>x</sub> Film as a Highly Efficient and Robust Catalyst for Electrochemical Water Oxidation. <i>ACS Applied Energy Materials</i> , 2021, 4, 1410-1420.	5.1	23
13	Solvent-free synthesis of monodisperse Cu nanoparticles by thermal decomposition of an oleylamine-coordinated Cu oxalate complex. <i>Dalton Transactions</i> , 2018, 47, 5342-5347.	3.3	18
14	Polymer surfactant-assisted tunable nanostructures of amorphous IrO thin films for efficient electrocatalytic water oxidation. <i>Catalysis Today</i> , 2017, 290, 51-58.	4.4	17
15	Hydrothermal synthesis of inorganic-organic hybrid gadolinium hydroxide nanoclusters with controlled size and morphology. <i>Dalton Transactions</i> , 2013, 42, 16176.	3.3	16
16	Controlled reduction of Cu <sup>2+</sup> to Cu <sup>+</sup> with an N,O-type chelate under hydrothermal conditions to produce Cu <sub>2</sub> O nanoparticles. <i>Materials Letters</i> , 2010, 64, 1049-1051.	2.6	14
17	Fabrication of Two-Dimensional Structures of Metal Oxide Nanocrystals Using Si Substrate Modified with 3,4-Dihydroxyhydrocinnamic Acid. <i>Chemistry of Materials</i> , 2010, 22, 1862-1869.	6.7	14
18	Molecular Nanostamp Based on One-Dimensional Porphyrin Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 6879-6885.	8.0	13

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19	Synthesis of Water-Dispersible Silver Nanoparticles by Thermal Decomposition of Water-Soluble Silver Oxalate Precursors. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 6022-6027.	0.9	13
20	Characterization and Mechanism of Efficient Visible-Light-Driven Water Oxidation on an in Situ $N_{2}$ -Intercalated $WO_{3}$ Nanorod Photoanode. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17896-17906.	6.7	13
21	A low-temperature sintered heterostructure solid film of coordination polymer nanoparticles: an electron-rectifier function based on partially oxidised/reduced conductor phases of Prussian blue. <i>RSC Advances</i> , 2015, 5, 96297-96304.	3.6	12
22	Unique coexistence of dispersion stability and nanoparticle chemisorption in alkylamine/alkylacid encapsulated silver nanocolloids. <i>Scientific Reports</i> , 2018, 8, 6133.	3.3	11
23	One-pot hydrothermal synthesis of an assembly of magnetite nanoneedles on a scaffold of cyclic-diphenylalanine nanorods. <i>Journal of Nanoparticle Research</i> , 2011, 13, 3991-3999.	1.9	10
24	Largely enhanced photocurrent via gap-mode plasmon resonance by a nanocomposite layer of silver nanoparticles and porphyrin derivatives fabricated on an electrode. <i>Applied Physics Letters</i> , 2012, 101, 063103.	3.3	10
25	Size-Tunable Continuous-Seed-Mediated Growth of Silver Nanoparticles in Alkylamine Mixture via the Stepwise Thermal Decomposition of Silver Oxalate. <i>Chemistry of Materials</i> , 2020, 32, 9363-9370.	6.7	10
26	Dual-Functional Surfactant-Templated Strategy for Synthesis of an In Situ $N_{2}$ -Intercalated Mesoporous $WO_{3}$ Photoanode for Efficient Visible-Light-Driven Water Oxidation. <i>Chemistry - A European Journal</i> , 2017, 23, 6596-6604.	3.3	9
27	Electrochemical interfacing of Prussian blue nanocrystals with an ITO electrode modified with a thin film containing a Ru complex. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12491-12501.	5.5	9
28	Self Formed Anisotropic Proton Conductive Polymer Film by Nanophase Separation. <i>Journal of the Electrochemical Society</i> , 2019, 166, B3218-B3222.	2.9	8
29	Reversible Aggregation and Deaggregation of Helicene-grafted Chiral Silica Nanoparticles Induced by Aromatic Solvents. <i>Chemistry Letters</i> , 2010, 39, 1004-1005.	1.3	7
30	Characterization of Interfacial Charge-Transfer Photoexcitation of Polychromium(III)-Electrodeposited $TiO_{2}$ as an Earth-Abundant Photoanode for Water Oxidation Driven by Visible Light. <i>ChemPlusChem</i> , 2016, 81, 1116-1122.	2.8	7
31	Nanoeptaxy of Anatase-type $TiO_{2}$ on $CeO_{2}$ Nanocubes Self-Assembled on a Si Substrate for Fabricating Well-Aligned Nanoscale Heterogeneous Interfaces. <i>Crystal Growth and Design</i> , 2014, 14, 4714-4720.	3.0	6
32	Spontaneous Construction of Nanoneedles Using Ruthenium Complex-conjugated Porphyrins on Substrates. <i>Chemistry Letters</i> , 2014, 43, 1201-1203.	1.3	6
33	N,N-Diethyl-diaminopropane-copper(II) oxalate self-reducible complex for the solution-based synthesis of copper nanocrystals. <i>Dalton Transactions</i> , 2017, 46, 12487-12493.	3.3	6
34	Supercritical Hydrothermal Synthesis. , 2013, , 949-978.		5
35	Low-temperature crystal growth of aluminium-doped zinc oxide nanoparticles in a melted viscous liquid of alkylammonium nitrates for fabrication of their transparent crystal films. <i>CrystEngComm</i> , 2014, 16, 10539-10546.	2.6	5
36	Supercritical Hydrothermal Synthesis of Nanoparticles. , 2018, , 683-689.		5

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37	Oleic acid-enhanced dissolution of cellulose in high-temperature water. <i>Research on Chemical Intermediates</i> , 2011, 37, 415-419.	2.7	4
38	Self-Assembly and Reassembly Phenomena of Organic-Inorganic Hybrid Nanocrystals in Highly Ordered Nanocrystalline Multi/Monolayer. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 110113.	1.5	4
39	Plasmon-Assisted Photocurrent Generation from Silver Nanoparticle Monolayers Combined with Porphyrins via Their Different Chain-Length Alkylcarboxylates. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 4090-4096.	0.9	4
40	Potential Tuning of Nanoarchitectures Based on Phthalocyanine Nanopillars: Construction of Effective Photocurrent Generation Systems. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 19098-19103.	8.0	4
41	Facile Templateless Fabrication of a Cobalt Oxyhydroxide Nanosheet Film with Nanoscale Porosity as an Efficient Electrocatalyst for Water Oxidation. <i>ChemPhotoChem</i> , 2018, 2, 332-339.	3.0	4
42	Formation of Methionine Sulfoxide of Amyloid Peptide (1A40) by Cu(bdpe)/H <sub>2</sub> O <sub>2</sub> System. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2005, 35, 677-681.	0.6	3
43	Suitable Location to Control Electron Transfer and Gap-mode Plasmon Interactions: Photocurrent Generation from Silver Nanoparticle-Porphyrin Composite Layers. <i>Chemistry Letters</i> , 2013, 42, 669-671.	1.3	3
44	Construction of hybrid films of silver nanoparticles and polypyridine ruthenium complexes on substrates. <i>Dalton Transactions</i> , 2015, 44, 15244-15249.	3.3	3
45	Silver Nano- and Microplates Grew on a Specific Face of Coordination Polymer Crystals. <i>Chemistry Letters</i> , 2016, 45, 646-648.	1.3	3
46	Wisely Designed Phthalocyanine Derivative for Convenient Molecular Fabrication on a Substrate. <i>Langmuir</i> , 2018, 34, 1321-1326.	3.5	3
47	Simultaneous Synthesis and Self-assembly of Cyclic Diphenylalanine at Hydrothermal Condition. <i>Chemistry Letters</i> , 2006, 35, 636-637.	1.3	2
48	Supercritical Hydrothermal Synthesis of Nanoparticles for Hybrid Materials & Super Hybrid Materials through Organic Surface Modification. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2012, 22, 89-96.	0.0	2
49	Direct Conversion from Oleylamine-coordinated Iron Oxalate Powder to Colloidal Magnetite Nanoparticle via Simple Thermal Treatment. <i>Chemistry Letters</i> , 2018, 47, 1333-1336.	1.3	2
50	Size-tunable synthesis of iron oxide nanocrystals by continuous seed-mediated growth: role of alkylamine species in the stepwise thermal decomposition of iron(ii) oxalate. <i>Dalton Transactions</i> , 2021, 50, 16021-16029.	3.3	2
51	Synthesis and Unique Function of a Copper(II) Compound Possessing an Imidazole Moiety as an Anchor Group. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2007, 62, 205-208.	0.7	1
52	A Catalytic Deposition Method of Silver Nanoparticles on TiO <sub>2</sub> via Low-temperature Decomposition of Silver Oxalates. <i>Chemistry Letters</i> , 2016, 45, 1195-1197.	1.3	1
53	Supercritical Hydrothermal Synthesis of Organic Modified Nanoparticles Towards Superhybrid Materials. <i>Journal of the Adhesion Society of Japan</i> , 2013, 49, 191-196.	0.0	0
54	An exclusive deposition method of silver nanoparticles on TiO <sub>2</sub> particles via low-temperature decomposition of silver-alkyldiamine complexes in aqueous media. <i>RSC Advances</i> , 2020, 10, 4545-4553.	3.6	0