

# Mitsunobu Sato

## List of Publications by Year in descending order

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45  
papers

472  
citations

687363

13  
h-index

752698

20  
g-index

47  
all docs

47  
docs citations

47  
times ranked

472  
citing authors

#	ARTICLE	IF	CITATIONS
1	A water-resistant precursor in a wet process for TiO <sub>2</sub> thin film formation. <i>Journal of Materials Chemistry</i> , 1996, 6, 1767.	6.7	46
2	Chemical fabrication of p-type Cu <sub>2</sub> O transparent thin film using molecular precursor method. <i>Materials Chemistry and Physics</i> , 2012, 137, 252-257.	4.0	43
3	Development of a biointegrated mandibular reconstruction device consisting of bone compatible titanium fiber mesh scaffold. <i>Biomaterials</i> , 2016, 75, 223-236.	11.4	35
4	Novel route to Co <sub>3</sub> O <sub>4</sub> thin films on glass substrates via N-alkyl substituted amine salt of Co(III)-EDTA complex. <i>Solar Energy Materials and Solar Cells</i> , 1997, 45, 43-49.	6.2	33
5	Photocatalytic Activity of Vis-Responsive Ag-Nanoparticles/TiO <sub>2</sub> Composite Thin Films Fabricated by Molecular Precursor Method (MPM). <i>Catalysts</i> , 2013, 3, 625-645.	3.5	31
6	Enhanced UV-sensitivity of vis-responsive anatase thin films fabricated by using precursor solutions involving Ti complexes. <i>Solar Energy Materials and Solar Cells</i> , 2008, 92, 1136-1144.	6.2	23
7	SYNCHRONOUS ELECTROCHROMISM OF LITHIUM ION BATTERY WITH CHEMICALLY FABRICATED TRANSPARENT THIN FILMS. <i>Functional Materials Letters</i> , 2013, 06, 1341001.	1.2	22
8	An important factor for controlling the photoreactivity of titania: O-deficiency of anatase thin films. <i>Journal of Materials Science</i> , 2008, 43, 6902-6911.	3.7	20
9	Application of carbonated apatite coating on a Ti substrate by aqueous spray method. <i>Materials Science and Engineering C</i> , 2013, 33, 951-958.	7.3	20
10	Absorption spectra and photocurrent densities of Ag nanoparticle/TiO <sub>2</sub> composite thin films with various amounts of Ag. <i>Journal of Materials Science</i> , 2013, 48, 7162-7170.	3.7	19
11	Rutile thin film responsive to visible light and with high UV light sensitivity. <i>Journal of Materials Science</i> , 2009, 44, 861-868.	3.7	17
12	Photovoltaic lithium-ion battery fabricated by molecular precursor method. <i>Functional Materials Letters</i> , 2016, 09, 1650046.	1.2	16
13	Regeneration of Periodontal Ligament for Apatite-coated Tooth-shaped Titanium Implants with and without Occlusion Using Rat Molar Model. <i>Journal of Hard Tissue Biology</i> , 2012, 21, 189-202.	0.4	15
14	Relation Between Electrical and Optical Properties of p-type NiO Films. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700311.	1.5	13
15	Fabrication of a p-type Cu <sub>2</sub> O thin-film via UV-irradiation of a patternable molecular-precursor film containing Cu(II) complexes. <i>Journal of Crystal Growth</i> , 2019, 509, 112-117.	1.5	12
16	Photoluminescence and photoreactivity affected by oxygen defects in crystal-oriented rutile thin film fabricated by molecular precursor method. <i>Journal of Materials Science</i> , 2010, 45, 5704-5710.	3.7	11
17	Highly-Conductive and Well-Adhered Cu Thin Film Fabricated on Quartz Glass by Heat Treatment of a Precursor Film Obtained Via Spray-Coating of an Aqueous Solution Involving Cu(II) Complexes. <i>Coatings</i> , 2018, 8, 352.	2.6	11
18	Influence of Apatite Crystallinity in Porous PLGA/Apatite Composite Scaffold on Cortical Bone Response. <i>Journal of Hard Tissue Biology</i> , 2009, 18, 7-12.	0.4	10

#	ARTICLE	IF	CITATIONS
19	Heat Treatment in Molecular Precursor Method for Fabricating Metal Oxide Thin Films. , 0, , .		10
20	Fabrication of c-axis oriented Ga-doped MgZnO-based UV transparent electrodes by molecular precursor method. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 2471-2473.	0.8	8
21	Impact of hydrochloric acid on the epitaxial growth of In <sub>2</sub> O <sub>3</sub> films on (0001)-Al <sub>2</sub> O <sub>3</sub> substrates by mist CVD. Applied Physics Express, 2020, 13, 075504.	2.4	6
22	Guided Bone Regeneration using Hydroxyapatite-Coated Titanium Fiber Web in Rabbit Mandible: Use of Molecular Precursor Method. Journal of Hard Tissue Biology, 2013, 22, 329-336.	0.4	5
23	Characterization and Bone Response of Carbonate-Containing Apatite-Coated Titanium Implants Using an Aqueous Spray Coating. Materials, 2017, 10, 1416.	2.9	4
24	Photo-Induced Super-hydrophilic Thin Films on Quartz Glass by UV Irradiation of Precursor Films Involving a Ti(IV) Complex at Room Temperature. Materials, 2019, 12, 348.	2.9	3
25	Hydrophilic Titania Thin Films from a Molecular Precursor Film Formed via Electrospray Deposition on a Quartz Glass Substrate Precoated with Carbon Nanotubes. Coatings, 2020, 10, 1050.	2.6	3
26	A Theoretical Procedure Based on Classical Electrostatics and Density Functional Theory for Screening Non-Square-Shaped Mixed-Valence Complexes for Logic Gates in Molecular Quantum-Dot Cellular Automata. Bulletin of the Chemical Society of Japan, 2021, 94, 397-403.	3.2	3
27	Deep-Ultraviolet Transparent Conductive MWCNT/SiO <sub>2</sub> Composite Thin Film Fabricated by UV Irradiation at Ambient Temperature onto Spin-Coated Molecular Precursor Film. Nanomaterials, 2021, 11, 1348.	4.1	3
28	Cortical Bone Response Towards Porous Composites of PLGA and Apatite Prepared from Calcium Complexes. Journal of Hard Tissue Biology, 2012, 21, 345-350.	0.4	3
29	Facile Fabrication of Single-Walled Carbon Nanotube/Anatase Composite Thin Film on Quartz Glass Substrate for Translucent Conductive Photoelectrode. Nanomaterials, 2021, 11, 3352.	4.1	3
30	Fabrication of MgZnO films by molecular precursor method and their application to UV-transparent electrodes. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 596-598.	0.8	2
31	Thin Film Fabrication and Characterization of Layered Rock Salt LiCoO <sub>2</sub> on Quartz Glass Spray-Coated with an Aqueous Ammonia Solution Involving Metal Acetates. Coatings, 2019, 9, 97.	2.6	2
32	Molecular precursor method for thin carbonate-containing apatite coating on dental implants. Dental Materials Journal, 2020, 39, 181-186.	1.8	2
33	Electrical properties of partially nitrated LiCoO <sub>2</sub> thin films with an equivalent amount of Li and Co. Materials Technology, 2020, 35, 587-593.	3.0	2
34	Photovoltaic Lithium-ion Battery with Layer-Structured Li <sub>2</sub> MnIII0.2MnIV0.8O <sub>2</sub> Thin Film Chemically Fabricated for Cathodic Active Material. Energies, 2020, 13, 1486.	3.1	2
35	Thin Hydroxyapatite Coating on Porous Beta-Tricalcium Phosphate ( $\beta$ -TCP) Enhances Osteoblast Function Activity. Journal of Hard Tissue Biology, 2012, 21, 9-16.	0.4	2
36	Fabrication of Ag dispersed ZnO films by molecular precursor method and application in GaInN blue LED. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600598.	1.8	1

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37	Bone Response to Nano-apatite Paste Derived from Ca-amino Acid Complex. Journal of Hard Tissue Biology, 2018, 27, 147-154.	0.4	1
38	Epitaxial mist chemical vapor deposition growth and characterization of Cu <sub>3</sub> N films on (0001)-Al <sub>2</sub> O <sub>3</sub> substrates. Applied Physics Express, 2020, 13, 075505.	2.4	1
39	Selective formation of cubic or tetragonal zirconia thin films of transparent, with no use of metal ion stabilizer by heating molecular precursor films under mild conditions. Functional Materials Letters, 2021, 14, 2151012.	1.2	1
40	Fabrication of Transparent and Conductive SWCNT/SiO <sub>2</sub> Composite Thin-Film by Photo-Irradiation of Molecular Precursor Films. Nanomaterials, 2021, 11, 3404.	4.1	1
41	Coppers film fabrication on glass substrate by complex reduction method for rapid inactivation of SARS-CoV-2 (COVID-19). Functional Materials Letters, 2022, 15, .	1.2	1
42	Surface plasmon resonant emission from Ag dispersed ZnO films fabricated by molecular precursor method. , 2016, , .		0
43	Highly photocatalytic p-type Cu <sub>2</sub> O thin films fabricated on a quartz glass substrate at 180°C in air, by spraying aqueous precursor solutions involving Cu(II) complexes. Materials Technology, 2020, 35, 553-564.	3.0	0
44	Selective deposition of p-type Cu <sub>2</sub> O or conductive Cu thin film at 180°C in air on a quartz glass substrate: Development of an aqueous spray solution using two-compartment electrolysis system. Functional Materials Letters, 2020, 13, 2051012.	1.2	0
45	Possibility for Thick Film Fabrication by Molecular Precursor Method. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2018, 69, 507-510.	0.2	0