

Mitsunobu Sato

List of Publications by Year in descending order

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papers

472
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687363

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752698

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47
times ranked

472
citing authors

#	ARTICLE	IF	CITATIONS
1	Coppers film fabrication on glass substrate by complex reduction method for rapid inactivation of SARS-CoV-2 (COVID-19). <i>Functional Materials Letters</i> , 2022, 15, .	1.2	1
2	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. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 397-403.	3.2	3
3	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. <i>Functional Materials Letters</i> , 2021, 14, 2151012.	1.2	1
4	Deep-Ultraviolet Transparent Conductive MWCNT/SiO ₂ Composite Thin Film Fabricated by UV Irradiation at Ambient Temperature onto Spin-Coated Molecular Precursor Film. <i>Nanomaterials</i> , 2021, 11, 1348.	4.1	3
5	Facile Fabrication of Single-Walled Carbon Nanotube/Anatase Composite Thin Film on Quartz Glass Substrate for Translucent Conductive Photoelectrode. <i>Nanomaterials</i> , 2021, 11, 3352.	4.1	3
6	Fabrication of Transparent and Conductive SWCNT/SiO ₂ Composite Thin-Film by Photo-Irradiation of Molecular Precursor Films. <i>Nanomaterials</i> , 2021, 11, 3404.	4.1	1
7	Highly photocatalytic p-type Cu ₂ O thin films fabricated on a quartz glass substrate at 180°C in air, by spraying aqueous precursor solutions involving Cu(II) complexes. <i>Materials Technology</i> , 2020, 35, 553-564.	3.0	0
8	Hydrophilic Titania Thin Films from a Molecular Precursor Film Formed via Electrospray Deposition on a Quartz Glass Substrate Precoated with Carbon Nanotubes. <i>Coatings</i> , 2020, 10, 1050.	2.6	3
9	Impact of hydrochloric acid on the epitaxial growth of In ₂ O ₃ films on (0001)-Al ₂ O ₃ substrates by mist CVD. <i>Applied Physics Express</i> , 2020, 13, 075504.	2.4	6
10	Epitaxial mist chemical vapor deposition growth and characterization of Cu ₃ N films on (0001)-Al ₂ O ₃ substrates. <i>Applied Physics Express</i> , 2020, 13, 075505.	2.4	1
11	Selective deposition of p-type Cu ₂ 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. <i>Functional Materials Letters</i> , 2020, 13, 2051012.	1.2	0
12	Molecular precursor method for thin carbonate-containing apatite coating on dental implants. <i>Dental Materials Journal</i> , 2020, 39, 181-186.	1.8	2
13	Electrical properties of partially nitrated LiCoO ₂ thin films with an equivalent amount of Li and Co. <i>Materials Technology</i> , 2020, 35, 587-593.	3.0	2
14	Photovoltaic Lithium-ion Battery with Layer-Structured Li ₂ MnIII0.2MnIV0.8O _{2.9} Thin Film Chemically Fabricated for Cathodic Active Material. <i>Energies</i> , 2020, 13, 1486.	3.1	2
15	Photo-Induced Super-hydrophilic Thin Films on Quartz Glass by UV Irradiation of Precursor Films Involving a Ti(IV) Complex at Room Temperature. <i>Materials</i> , 2019, 12, 348.	2.9	3
16	Thin Film Fabrication and Characterization of Layered Rock Salt LiCoO ₂ on Quartz Glass Spray-Coated with an Aqueous Ammonia Solution Involving Metal Acetates. <i>Coatings</i> , 2019, 9, 97.	2.6	2
17	Fabrication of a p-type Cu ₂ 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
18	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

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19	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
20	Bone Response to Nano-apatite Paste Derived from Ca-amino Acid Complex. <i>Journal of Hard Tissue Biology</i> , 2018, 27, 147-154.	0.4	1
21	Possibility for Thick Film Fabrication by Molecular Precursor Method. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2018, 69, 507-510.	0.2	0
22	Fabrication of Ag dispersed ZnO films by molecular precursor method and application in GaInN blue LED. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600598.	1.8	1
23	Characterization and Bone Response of Carbonate-Containing Apatite-Coated Titanium Implants Using an Aqueous Spray Coating. <i>Materials</i> , 2017, 10, 1416.	2.9	4
24	Surface plasmon resonant emission from Ag dispersed ZnO films fabricated by molecular precursor method., 2016, , .		0
25	Photovoltaic lithium-ion battery fabricated by molecular precursor method. <i>Functional Materials Letters</i> , 2016, 09, 1650046.	1.2	16
26	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
27	Absorption spectra and photocurrent densities of Ag nanoparticle/TiO ₂ composite thin films with various amounts of Ag. <i>Journal of Materials Science</i> , 2013, 48, 7162-7170.	3.7	19
28	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
29	Photocatalytic Activity of Vis-Responsive Ag-Nanoparticles/TiO ₂ Composite Thin Films Fabricated by Molecular Precursor Method (MPM). <i>Catalysts</i> , 2013, 3, 625-645.	3.5	31
30	SYNCHRONOUS ELECTROCHROMISM OF LITHIUM ION BATTERY WITH CHEMICALLY FABRICATED TRANSPARENT THIN FILMS. <i>Functional Materials Letters</i> , 2013, 06, 1341001.	1.2	22
31	Guided Bone Regeneration using Hydroxyapatite-Coated Titanium Fiber Web in Rabbit Mandible: Use of Molecular Precursor Method. <i>Journal of Hard Tissue Biology</i> , 2013, 22, 329-336.	0.4	5
32	Chemical fabrication of p-type Cu ₂ O transparent thin film using molecular precursor method. <i>Materials Chemistry and Physics</i> , 2012, 137, 252-257.	4.0	43
33	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
34	Cortical Bone Response Towards Porous Composites of PLGA and Apatite Prepared from Calcium Complexes. <i>Journal of Hard Tissue Biology</i> , 2012, 21, 345-350.	0.4	3
35	Thin Hydroxyapatite Coating on Porous Beta-Tricalcium Phosphate (β -TCP) Enhances Osteoblast Function Activity. <i>Journal of Hard Tissue Biology</i> , 2012, 21, 9-16.	0.4	2
36	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

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37	Fabrication of c-axis oriented Ga-doped MgZnO-based UV transparent electrodes by molecular precursor method. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 2471-2473.	0.8	8
38	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
39	Fabrication of MgZnO films by molecular precursor method and their application to UV-transparent electrodes. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 596-598.	0.8	2
40	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
41	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
42	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
43	Novel route to Co ₃ O ₄ 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
44	A water-resistant precursor in a wet process for TiO ₂ thin film formation. <i>Journal of Materials Chemistry</i> , 1996, 6, 1767.	6.7	46
45	Heat Treatment in Molecular Precursor Method for Fabricating Metal Oxide Thin Films. , 0, , .		10