

Seiji Watase

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5337795/publications.pdf>

Version: 2024-02-01

61
papers

1,260
citations

304701

22
h-index

395678

33
g-index

62
all docs

62
docs citations

62
times ranked

1505
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Electrodeposition of 1.46 eV Bandgap Silver(I) Oxide Semiconductor Films by Electrogenerated Acid. <i>Chemistry of Materials</i> , 2008, 20, 1254-1256.	6.7	108
2	Electrodeposition of 1.4-eV-Bandgap p-Copper (II) Oxide Film With Excellent Photoactivity. <i>Journal of the Electrochemical Society</i> , 2011, 158, D578.	2.9	71
3	Synthesis, single crystal X-ray analysis, and TEM for a single-sized Au ₁₁ cluster stabilized by SR ligands: The interface between molecules and particles. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 638-642.	1.8	69
4	Room-temperature ultraviolet light-emitting zinc oxide micropatterns prepared by low-temperature electrodeposition and photoresist. <i>Applied Physics Letters</i> , 2003, 83, 4930-4932.	3.3	61
5	Practical Synthesis and Properties of 2,5-Diarylarsoles. <i>Organic Letters</i> , 2015, 17, 4854-4857.	4.6	59
6	Oxidation of Allenes and Alkynes with Hydrogen Peroxide Catalyzed by Cetylpyridinium Peroxotungstophosphate (PCWP). <i>Journal of Organic Chemistry</i> , 1994, 59, 5681-5686.	3.2	49
7	Controllable Growth Orientation of Ag ₂ O and Cu ₂ O Films by Electrocrystallization from Aqueous Solutions. <i>Crystal Growth and Design</i> , 2013, 13, 52-58.	3.0	47
8	Highly Efficient Solid-State Phosphorescence of Platinum Dihalide Complexes with 9-Phenyl-9-arsafluorene Ligands. <i>Organometallics</i> , 2016, 35, 364-369.	2.3	39
9	White SiO ₂ -C(H) Particles with Photoluminescence Synthesized by Decarbonization Reaction on Polymer Precursor in a Hydrogen Atmosphere. <i>Bulletin of the Chemical Society of Japan</i> , 2012, 85, 724-726.	3.2	37
10	Size-Controllable Growth of Vertical ZnO Nanorod Arrays by a Pd-Catalyzed Chemical Solution Process. <i>Crystal Growth and Design</i> , 2011, 11, 5533-5539.	3.0	35
11	Organic Vapor Triggered Repeatable On/Off Crystalline-State Luminescence Switching. <i>Inorganic Chemistry</i> , 2012, 51, 4420-4422.	4.0	35
12	Color Tuning of the Aggregation-Induced Emission of Maleimide Dyes by Molecular Design and Morphology Control. <i>Chemistry - A European Journal</i> , 2015, 21, 12105-12111.	3.3	33
13	Selective Synthesis of <i>cis</i> - and <i>trans</i> - Cyclic Tetrasiloxanes and the Formation of Their Two-Dimensional Layered Aggregates. <i>Journal of the American Chemical Society</i> , 2015, 137, 5061-5065.	13.7	32
14	Transformation of sulfur to organic-inorganic hybrids employed by networks and their application for the modulation of refractive indices. <i>Journal of Polymer Science Part A</i> , 2014, 52, 2588-2595.	2.3	31
15	Preparation of Photo-curable Thiol-Ene Hybrids and Their Application for Optical Materials. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2010, 23, 115-119.	0.3	30
16	Long-Lived Photoluminescence in Amorphous SiO ₂ -C(H) Ceramics Derived from Polysiloxanes. <i>Journal of the American Ceramic Society</i> , 2012, 95, 3935-3940.	4.8	29
17	Electrochemical Growth of (0001)-n-ZnO Film on (111)-p-Cu ₂ O Film and the Characterization of the Heterojunction Diode. <i>Journal of the Electrochemical Society</i> , 2011, 158, D621.	2.9	28
18	Synthesis and Characterization of the Au ₁₁ Cluster with Sterically Demanding Phosphine Ligands by Single Crystal X-ray Diffraction and XPS Spectroscopy. <i>Bulletin of the Chemical Society of Japan</i> , 2003, 76, 1601-1602.	3.2	25

#	ARTICLE	IF	CITATIONS
19	Effects of preparation temperature on optical and electrical characteristics of (111)-oriented Cu ₂ O films electrodeposited on (111)-Au film. <i>Thin Solid Films</i> , 2012, 520, 1779-1783.	1.8	25
20	Polymorph Control of Luminescence Properties in Molecular Crystals of a Platinum and Organoarsenic Complex and Formation of Stable One-Dimensional Nanochannel. <i>Inorganic Chemistry</i> , 2014, 53, 8270-8277.	4.0	25
21	Hall Effect in Bulk- δ -Doped Organic Single Crystals. <i>Advanced Materials</i> , 2017, 29, 1605619.	21.0	25
22	Effect of alkyl groups on emission properties of aggregation induced emission active N-alkyl arylaminomaleimide dyes. <i>RSC Advances</i> , 2015, 5, 94344-94350.	3.6	24
23	Synthesis, Properties, and Complex Formation of Antimony- and Bismuth-Bridged Bipyridyls. <i>Organometallics</i> , 2019, 38, 1516-1523.	2.3	22
24	Light-assisted electrochemical construction of (111)Cu ₂ O/(0001)ZnO heterojunction. <i>Thin Solid Films</i> , 2012, 520, 2261-2264.	1.8	20
25	Molecular Shape Recognition by Using a Switchable Luminescent Nonporous Molecular Crystal. <i>Organometallics</i> , 2016, 35, 3647-3650.	2.3	19
26	Enhanced Ultraviolet Emission in Polysilane Light-Emitting Diodes by Inserting a SiO _x Thin Layer. <i>Japanese Journal of Applied Physics</i> , 1999, 38, 2609-2612.	1.5	18
27	Linear polymers with sulfur in the main chain. II. Synthesis of polyesters by interfacial polycondensation of bis(4,4'-hydroxyphenyl)sulfide with several aliphatic acid dichlorides and their properties. <i>Journal of Applied Polymer Science</i> , 2004, 91, 1865-1872.	2.6	18
28	Corner- and Side-Opened Cage Silsesquioxanes: Structural Effects on the Materials Properties. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 737-742.	2.0	18
29	Linear polymers with sulfur in the main chain III. Synthesis of polythioesters by polycondensation of bis(4,4'-mercaptophenyl)sulfide with various acid dichlorides and their properties. <i>Journal of Applied Polymer Science</i> , 2005, 96, 508-515.	2.6	15
30	Aggregation through the Quadrupole Interactions of Gold(I) Complex with Triphenylphosphine and Pentafluorobenzenethiolate. <i>Chemistry Letters</i> , 2003, 32, 1070-1071.	1.3	13
31	Monodispersed Nitrogen-Containing Carbon Capsules Fabricated from Conjugated Polymer-Coated Particles via Light Irradiation. <i>Langmuir</i> , 2021, 37, 4599-4610.	3.5	13
32	Title is missing!. <i>Catalysis Letters</i> , 2002, 80, 147-152.	2.6	12
33	Preparation and properties of organic-inorganic hybrid polymer films using [Ti ₄ (μ ₃ -O)(O <i>i</i> Pr) ₅ (μ ₄ -O <i>i</i> Pr) ₃ (PhPO ₃) ₃] \cdot thf. <i>Polymer Journal</i> , 2017, 49, 223-228.	2.7	12
34	Synthesis of Dipyridinogermole-Copper Complex as Soluble Phosphorescent Material. <i>Chemistry Letters</i> , 2016, 45, 502-504.	1.3	11
35	Enhancement of Epoxy Resin/Copper Heterojunction by Introduction of Sulfur-Containing Polymers. <i>Macromolecular Materials and Engineering</i> , 2006, 291, 205-209.	3.6	10
36	Hybrid Cu ₂ O Diode with Orientation-Controlled C ₆₀ Polycrystal. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 3558-3565.	8.0	10

#	ARTICLE	IF	CITATIONS
37	Highly c-axis oriented deposition of zinc oxide on an ITO surface modified by layer-by-layer method. <i>Electrochimica Acta</i> , 2013, 96, 237-242.	5.2	10
38	Preparation and Electric Property of Polysilsesquioxane Thin Films Incorporating Carbazole Groups. <i>Chemistry - A European Journal</i> , 2014, 20, 12773-12776.	3.3	10
39	Synthesis and X-ray Molecular Structure Analysis of Some Au-Co, Au-Mn, and Hg-Co Bonded Compounds. <i>Journal of Coordination Chemistry</i> , 2002, 55, 1353-1364.	2.2	9
40	Preparation and Physical Properties of EuO Nanocrystals Using Eu(II)-Exchanged Zeolite X as a Precursor. <i>Bulletin of the Chemical Society of Japan</i> , 2004, 77, 807-812.	3.2	9
41	Influence of high-temperature oxidation on photoluminescent properties of white Si O C(â€“H) ceramics. <i>Journal of Non-Crystalline Solids</i> , 2014, 391, 1-5.	3.1	9
42	Effects of silica nanoparticle addition on polymer semiconductor wettability and carrier mobility in solution-processable organic transistors on hydrophobic substrates. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 509-516.	2.1	8
43	Martensitic Iron-Carbon-Boron Alloy Electrodeposit with Improved Mechanical Properties. <i>Journal of the Electrochemical Society</i> , 2002, 149, C370.	2.9	7
44	Preparation of Photo-curing Acrylate Thin Films containing Pd Nanoparticles and their Application for Electroless Plating Catalysts. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2007, 20, 137-140.	0.3	6
45	Direct Electroless Copper Deposition on A Photolithographic Pattern of Palladium-Nanoparticle/Acrylic-Polymer Hybrid. <i>Transactions of the Japan Institute of Electronics Packaging</i> , 2011, 4, 110-113.	0.4	6
46	Synthesis of photoluminescent Siâ€“Oâ€“C(â€“H) ceramics from oxidation-cured polycarbosilane by hydrogen decarbonization. <i>Materials Letters</i> , 2013, 110, 49-52.	2.6	6
47	Optical Properties of Photo-cured Polyacrylate Thin Films Containing Bis-Phenylfluorene Modified Zirconia Nanoparticles. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2013, 26, 491-494.	0.3	6
48	Temperature-Dependent Solid-state Luminescence and Reversible Phase Transition of (n-Bu4N)[Au(SC6H3-3,5-Me2)2]. <i>Chemistry Letters</i> , 2003, 32, 1002-1003.	1.3	5
49	Effects of Electron Irradiation on CuInS2 Crystals. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 718-721.	1.5	5
50	Characterization of Dimers of Hydroquinone Glucosides Produced by Peroxidase-Catalyzed Polymerization. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 1083-1085.	1.3	5
51	Synthesis of nonplanar bipyridyls bridged by disilane and disiloxane and their phosphorescent copper complexes. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5306.	3.5	5
52	Dipyrrin Complexes of Borasiloxane Silanols with Adaptive Hydrogenâ€“Bonded Conformations in the Crystal and in Solution States. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1885-1893.	2.0	5
53	Facile Preparation of Hybrid Thin Films with Pd Catalysis for Electroless Plating. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2008, 21, 321-322.	0.3	4
54	Preparation of Photo-cured Hybrid Thin Films using Zirconia Nanoparticles Modified with Dual Site Silane Coupling Agent. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2014, 27, 261-262.	0.3	4

#	ARTICLE	IF	CITATIONS
55	Preparation of Dithienogermole-containing Polysilsesquioxane Films for Sensing Nitroaromatics. Chemistry Letters, 2017, 46, 438-441.	1.3	4
56	Preparation and Dielectric Property of Photo-Curable Polysilsesquioxane Hybrids. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2008, 21, 319-320.	0.3	3
57	Blue Phosphorescence of the Novel Dinuclear Gold(I) Complex Bridged by 1,3-Benzenedithiolate in Solution. Bulletin of the Chemical Society of Japan, 2004, 77, 531-536.	3.2	2
58	Formation of Metal Nanoparticle/Acrylic Polymer Hybrid Film by UV-Irradiation. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2009, 22, 311-312.	0.3	2
59	Effect of Light Intensity on the Light-Assisted Electrochemical Construction of (0001)-ZnO/(111)-Cu ₂ O Heterostructure. Journal of Nanoscience and Nanotechnology, 2016, 16, 12798-12804.	0.9	2
60	Stereoisomerization of 1,4-Dihydroarsinetetracarboxylic Acid Diimides under Non-Acidic Condition from cis- to trans-Forms. Heterocycles, 2017, 94, 923.	0.7	0
61	Surface State of Thermally Evaporated PTCDI-C8/C8-BTBT Bi-Layer. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2018, 69, 249-251.	0.2	0