

Isao Tsuyumoto

List of Publications by Year in descending order

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50
papers

691
citations

471509

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50
times ranked

638
citing authors

#	ARTICLE	IF	CITATIONS
1	Flame-retardant coatings for rigid polyurethane foam based on mixtures of polysaccharides and polyborate. <i>Journal of Coatings Technology Research</i> , 2021, 18, 155-162.	2.5	8
2	Fireproofing wood using borate and vinyl phosphorus compounds and its water resistant treatment using copolymer of dimethyl vinylphosphonate and methyl methacrylate. <i>Journal of Wood Chemistry and Technology</i> , 2021, 41, 83-90.	1.7	2
3	Preparation of nanocrystalline LiNbO ₃ through aqueous solution process using peroxy - Polyniobic acid. <i>Materials Chemistry and Physics</i> , 2021, 272, 125035.	4.0	5
4	High flame retardancy of amorphous sodium silicate on poly(ethylene-co-vinyl acetate) (EVA). <i>Polymer Bulletin</i> , 2018, 75, 4967-4976.	3.3	9
5	Facile synthesis of nanocrystalline hexagonal tungsten trioxide from metallic tungsten powder and hydrogen peroxide. <i>Journal of the American Ceramic Society</i> , 2018, 101, 509-514.	3.8	5
6	Synthesis and lithium insertion properties of ramsdellite Li _x TiO ₂ anode materials. <i>Materials Research Bulletin</i> , 2015, 70, 748-752.	5.2	9
7	Iron Deposition from Aluminosilicate Containing Trace Amount of Iron Oxide by Borate-Enhanced Hydrogen Reduction. <i>Journal of the American Ceramic Society</i> , 2015, 98, 3666-3669.	3.8	1
8	Nanosized Layered LiVO ₂ Prepared from Peroxy-Polyvanadic Acid and Its Electrochemical Properties. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3374-3377.	3.8	10
9	Lithium ion insertion properties of nanocrystalline anatase titanium oxides prepared from peroxy-polytitanic acid. <i>Solid State Ionics</i> , 2014, 255, 60-64.	2.7	3
10	X-ray Fluorescence Analysis of Hexavalent Chromium Using K ^L Satellite Peak Observed as Counterpart of X-ray Absorption Near-Edge Structure Pre-Edge Peak. <i>Analytical Chemistry</i> , 2011, 83, 7566-7569.	6.5	25
11	Percolation-Type Chemical Sensor: Electrical- and Humidity-Sensing Properties of Carbon-Montmorillonite Composites. <i>International Journal of Applied Ceramic Technology</i> , 2011, 8, 793-799.	2.1	4
12	Gas Sensor for Volatile Organochlorine Compounds Using Percolation Conduction of Organic Montmorillonite-Carbon Composites. <i>International Journal of Applied Ceramic Technology</i> , 2011, 8, 1408-1413.	2.1	1
13	Highly flame retardant coating consisting of starch and amorphous sodium polyborate. <i>Journal of Materials Science</i> , 2011, 46, 5371-5377.	3.7	19
14	Flame-retardant rigid polyurethane foams prepared with amorphous sodium polyborate. <i>Journal of Applied Polymer Science</i> , 2011, 122, 1707-1711.	2.6	23
15	Fire-resistant nonwovens of EVOH and PET treated with amorphous sodium polyborate. <i>Journal of Materials Science</i> , 2010, 45, 2504-2509.	3.7	7
16	Preparation of nanocrystalline perovskite KNbO ₃ by peroxy-precursor decomposition method. <i>Materials Research Bulletin</i> , 2010, 45, 1899-1902.	5.2	10
17	Nanosized Tetragonal BaTiO ₃ Powders Synthesized by a New Peroxy-Precursor Decomposition Method. <i>Chemistry of Materials</i> , 2010, 22, 3015-3020.	6.7	21
18	Development of Fire Resistant Laminated Wood Using Concentrated Sodium Polyborate Aqueous Solution. <i>Journal of Wood Chemistry and Technology</i> , 2009, 29, 277-285.	1.7	13

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19	Thermochromism of titanium-vanadium oxide thin films prepared from peroxotitanate and peroxovanadate solutions. <i>Solid State Ionics</i> , 2008, 179, 1227-1229.	2.7	9
20	Thermochromism of vanadium-titanium oxide prepared from peroxovanadate and peroxotitanate. <i>Journal of Materials Science</i> , 2008, 43, 985-988.	3.7	19
21	Analysis of a Quasi-Elastic Laser Scattering Spectrum Using the Maximum Entropy Method. <i>Analytical Sciences</i> , 2007, 23, 1439-1442.	1.6	1
22	Fireproofing Technique of Wood Using Sodium Polyborate Solution. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2007, 56, 472-476.	0.2	3
23	Preparation of highly concentrated aqueous solution of sodium borate. <i>Inorganic Chemistry Communication</i> , 2007, 10, 20-22.	3.9	23
24	Inhibition of Dioxin Formation in Flue Gas by Removal of Hydrogen Chloride Using Foaming Water Glass. <i>Journal of the Ceramic Society of Japan</i> , 2006, 114, 408-410.	1.3	0
25	Thermoelectric Power in Nonstoichiometric Orthorhombic Titanium Oxides. <i>Journal of the American Ceramic Society</i> , 2006, 89, 060427083300013-???	3.8	17
26	A Novel Sodium Silicate Fluoride Solution and a H ₂ Gas Formed by a Reaction Between Si and an Aqueous Solution of NaOH and NaF. <i>Journal of the American Ceramic Society</i> , 2005, 88, 1628-1630.	3.8	6
27	Chemical Speciation of Trace Zinc in Ordinary Portland Cement Using X-ray Absorption Fine Structure Analysis. <i>Journal of the American Ceramic Society</i> , 2004, 87, 2294-2296.	3.8	4
28	Nonstoichiometric orthorhombic titanium oxide, TiO _{2-x} and its thermochromic properties. <i>Materials Research Bulletin</i> , 2004, 39, 1737-1744.	5.2	19
29	Monitoring of Trace Amounts of Chromium in Ordinary Portland Cement Using X-Ray Absorption Fine Structure Analysis. <i>Journal of the Ceramic Society of Japan</i> , 2003, 111, 608-610.	1.3	4
30	Recycle of Incineration Ash of Urban Waste Using Foam Water Glass.. <i>Journal of the Ceramic Society of Japan</i> , 2003, 111, 77-80.	1.3	4
31	Microstructures of Hardened Mortars Using Eco-Cements and Sintered Sewage Sludge.. <i>Journal of the Ceramic Society of Japan</i> , 2002, 110, 535-540.	1.3	4
32	A High-Performance and Simplified Quasi-Elastic Laser Scattering Method Using Homodyne Detection in Beam Divergence. <i>Analytical Chemistry</i> , 2001, 73, 2366-2368.	6.5	9
33	Diagnosis of Degradation of Concrete by Using AC Impedance Analysis. <i>Non-Destructive Testing of Internal Cracks.. Journal of the Ceramic Society of Japan</i> , 2001, 109, 77-78.	1.3	1
34	Femtosecond Transient Reflecting Grating Methods and Analysis of the Ultrafast Carrier Dynamics on Si(111) Surfaces.. <i>Analytical Sciences</i> , 2000, 16, 403-406.	1.6	8
35	Effect of Organic Phase on Dynamic and Collective Behavior of Surfactants at Liquid/Liquid Interfaces by a Time-Resolved Quasi-Elastic Laser-Scattering Method.. <i>Analytical Sciences</i> , 2000, 16, 1199-1202.	1.6	2
36	Ultrafast Energy Transfer Dynamics at Solid/Liquid Interfaces as Investigated by Photothermal Spectroscopy. <i>Bulletin of the Chemical Society of Japan</i> , 2000, 73, 507-514.	3.2	1

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37	New orthorhombic titanium oxide, TiO _{1.94} . Journal of Materials Science Letters, 2000, 19, 2075-2076.	0.5	15
38	Observation of Dynamic Molecular Behavior in a Phase Transfer Catalytic Reaction at a Liquid/Liquid Interface by Using the Time-Resolved Quasi-Elastic Laser Scattering Method. Journal of Physical Chemistry B, 2000, 104, 4699-4702.	2.6	13
39	Role of the Liquid/Liquid Interface in a Phase-Transfer Catalytic Reaction As Investigated by in Situ Measurements Using the Quasi-Elastic Laser Scattering Method. Langmuir, 2000, 16, 6597-6600.	3.5	45
40	Observation of One Process in a Phase Transfer Catalytic Reaction at a Liquid/Liquid Interface by Using the Quasi-Elastic Laser Scattering Method. Journal of Physical Chemistry B, 1999, 103, 4663-4665.	2.6	16
41	Molecular Dynamics of Auramine O in Low-Viscosity Solutions as Investigated by an Ultrafast Lensing Effect. Journal of Physical Chemistry A, 1999, 103, 7575-7579.	2.5	21
42	Ultrafast Charge Transfer at TiO ₂ /SCN ⁻ (aq) Interfaces Investigated by Femtosecond Transient Reflecting Grating Method. Journal of Physical Chemistry B, 1999, 103, 5984-5987.	2.6	29
43	Generation and observation of ultrasonic waves on liquid surfaces by transient reflecting grating method. , 1999, , .		0
44	Monitoring of molecular behavior of a chemical oscillation system at a liquid/liquid interface using a time-resolved quasi-elastic laser scattering method. Electrochimica Acta, 1998, 44, 165-169.	5.2	21
45	Density Estimation of Liquid/Liquid Interfacial Regions Using a Quasi-Elastic Laser Scattering Method. Journal of Physical Chemistry B, 1998, 102, 2684-2687.	2.6	41
46	Observation of the Dynamic and Collective Behavior of Surfactant Molecules at a Water/Nitrobenzene Interface by a Time-Resolved Quasi-Elastic Laser-Scattering Method. Journal of Physical Chemistry B, 1998, 102, 10284-10287.	2.6	53
47	Monitoring of Molecular Collective Behavior at a Liquid/Liquid Interface by a Time-Resolved Quasi-Elastic Laser Scattering Method. Journal of Physical Chemistry A, 1997, 101, 4163-4166.	2.5	50
48	Humidity sensor using potassium hexagonal tungsten bronze synthesized from peroxy-polytungstic acid and its resistivity change mechanism. Materials Research Bulletin, 1996, 31, 17-28.	5.2	17
49	Humidity sensor using potassium hexagonal tungsten bronze synthesized from peroxy-polytungstic acid. Sensors and Actuators B: Chemical, 1996, 30, 95-99.	7.8	32
50	Hexagonal tungsten bronze synthesized from potassium peroxy-polytungstate and its electrical properties. Solid State Ionics, 1993, 59, 211-216.	2.7	29