Takao Sekiya

List of Publications by Year
in descending order

38 papers	1,572 citations	687363 13 h-index	377865 34 g-index
38 all docs	38 docs citations	38 times ranked	1310 citing authors

#	Article	IF	Citations
1	Change in electronic state of nitrogen in oxidized titanium nitride. Journal of Physics and Chemistry of Solids, 2022, 168, 110817.	4.0	5
2	Catalytic generation of negative ions at metal surfaces with water adlayers. Journal of Materials Science, 2019, 54, 12887-12897.	3.7	3
3	Electronic state of nitrogen in doped titanium dioxide. Journal of Physics: Conference Series, 2019, 1220, 012014.	0.4	1
4	Behavior of UV-generated carriers and local structure around doped aluminum in anatase titanium dioxide. Journal of Physics and Chemistry of Solids, 2019, 124, 137-143.	4.0	0
5	Double Electronâ€“Electron Resonance Between Trapped Electron and Hole in a Semiconductor. Applied Magnetic Resonance, 2018, 49, 757-766.	1.2	1
6	Deposition of ZrON thin films by reactive magnetron sputtering using a hollow cylindrical target. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, .	2.1	6
7	Time-resolved chemiluminescence of firefly luciferin generated by dissolving oxygen in deoxygenated dimethyl sulfoxide containing potassium <i>tert</i>-butoxide. Biophysics and Physicobiology, 2015, 12, 69-78.	1.0	0
8	Effect of pressure on photochromic furylfulgide. European Physical Journal B, 2013, 86, 1.	1.5	6
9	Persistent Trapping of Photogenerated Carriers in Colorless Anatase TiO₂Single Crystals. Journal of the Physical Society of Japan, 2012, 81, 124701.	1.6	5
10	The Reaction Process of Firefly Bioluminescence Triggered by Photolysis of Caged-ATP. Photochemistry and Photobiology, 2011, 87, 653-658.	2.5	4
11	UV irradiation effect on Alâ€doped anatase titanium dioxide. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 173-176.	0.8	6
12	1P269 Time dependence of firefly bioluminescence induced by the photoresolution of caged-ATP(Photobiology:Vision & Photoreception,The 48th Annual Meeting of the Biophysical) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5		
13	Electron Paramagnetic Resonance and Optical Absorption of Yellow Anatase TiO₂ Single Crystal. Journal of the Physical Society of Japan, 2009, 78, 114701.	1.6	9
14	Magnetic Properties of ErCrO₃under High Pressures. Journal of the Physical Society of Japan, 2007, 76, 112-113.	1.6	2
15	Defects in Anatase TiO2Single Crystal Controlled by Heat Treatments. Journal of the Physical Society of Japan, 2004, 73, 703-710.	1.6	129
16	Optical and electric properties of Nb-doped anatase TiO2 single crystal. Journal of Physics and Chemistry of Solids, 2004, 65, 1181-1185.	4.0	52
17	Photo-induced Conversion of Furylfulgide Single Crystal Under High Pressures. Phase Transitions, 2002, 75, 903-910.	1.3	1
18	Pressure-Effect on Anatase Titanium Dioxide. High Pressure Research, 2002, 22, 319-323.	1.2	6

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19	Annealing of Anatase Titanium Dioxide under Hydrogen Atmosphere.. Journal of the Ceramic Society of Japan, 2001, 109, 672-675.	1.3	14
20	OPTICAL PROPERTIES OF ANATASE TiO2 UNDER THE HIGH PRESSURE. International Journal of Modern Physics B, 2001, 15, 3952-3955.	2.0	5
21	OPTICAL PROPERTIES OF ANATASE TiO2 UNDER THE HIGH PRESSURE. , 2001, , .		0
22	Structure of GaO3/2-TeO2 Glasses.. Journal of the Ceramic Society of Japan, 2000, 108, 236-240.	1.3	6
23	Ultra-High Vacuum Optical Second Harmonic Microscope. Japanese Journal of Applied Physics, 2000, 39, L253-L255.	1.5	10
24	Raman Spectra of Potassium and Sodium Selenite Glasses. Journal of the Ceramic Society of Japan, 1998, 106, 256-259.	1.3	9
25	Optical Properties of Single-Crystal Anatase TiO2. Journal of the Physical Society of Japan, 1997, 66, 877-880.	1.6	129
26	UV reflection spectra of anatase TiO2. Journal of Electron Spectroscopy and Related Phenomena, 1996, 78, 75-78.	1.7	33
27	Structural study of MoO3î—¸TeO2 glasses. Journal of Non-Crystalline Solids, 1995, 185, 135-144.	3.1	100
28	Raman spectra of binary tellurite glasses containing tri- or tetra-valent cations. Journal of Non-Crystalline Solids, 1995, 191, 115-123.	3.1	110
29	Structural study of WO3î—¸TeO2 glasses. Journal of Non-Crystalline Solids, 1994, 176, 105-115.	3.1	118
30	Raman spectra of MOî—¸TeO2 (M = Mg, Sr, Ba and Zn) glasses. Journal of Non-Crystalline Solids, 1994, 168, 106-114.	3.1	189
31	Raman spectra of MO1/2TeO2 (M = Li, Na, K, Rb, Cs and Tl) glasses. Journal of Non-Crystalline Solids, 1992, 144, 128-144.	3.1	391
32	Raman spectra of glasses. Journal of Non-Crystalline Solids, 1992, 151, 222-228.	3.1	71
33	Normal Vibrations of Two Polymorphic forms of TeO₂ Crystals and Assignments of Raman Peaks of Pure TeO₂ Glass. Journal of the Ceramic Society of Japan, 1989, 97, 1435-1440.	1.3	113
34	6-Coordinated Si⁴⁺ in SiO₂-PO_{5/2} Glasses. Journal of the Ceramic Society of Japan, 1988, 96, 571-573.	1.3	13
35	Raman Spectra of MO₂-PO_{5/2} (M=Si, Ge) Glasses. Journal of the Ceramic Society of Japan, 1988, 96, 271-276.	1.3	5
36	Property and Structure of Glasses in the System TeO₂-PO_{5/2}. Journal of the Ceramic Society of Japan, 1988, 96, 973-979.	1.3	15

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37	An EXAFS Study of Local Structure in GeO₂-P₂O₅ Glasses. Journal of the Ceramic Association Japan, 1987, 95, 418-422.	0.2	4
38	Structure of KO_{1/2}-GeO₂ Glasses Studied by Substitution of SnO₂. Journal of the Ceramic Association Japan, 1986, 94, 1225-1230.	0.2	1