

Takao Sekiya

List of Publications by Year in descending order

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38
papers

1,572
citations

687363

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377865

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38
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38
docs citations

38
times ranked

1310
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Raman spectra of MO _{1/2} TeO ₂ (M = Li, Na, K, Rb, Cs and Tl) glasses. Journal of Non-Crystalline Solids, 1992, 144, 128-144. | 3.1 | 391 |
| 2 | Raman spectra of MO _{1/2} TeO ₂ (M = Mg, Sr, Ba and Zn) glasses. Journal of Non-Crystalline Solids, 1994, 168, 106-114. | 3.1 | 189 |
| 3 | Optical Properties of Single-Crystal Anatase TiO ₂ . Journal of the Physical Society of Japan, 1997, 66, 877-880. | 1.6 | 129 |
| 4 | Defects in Anatase TiO ₂ Single Crystal Controlled by Heat Treatments. Journal of the Physical Society of Japan, 2004, 73, 703-710. | 1.6 | 129 |
| 5 | Structural study of WO _{3/2} TeO ₂ glasses. Journal of Non-Crystalline Solids, 1994, 176, 105-115. | 3.1 | 118 |
| 6 | Normal Vibrations of Two Polymorphic forms of TeO ₂ ; Crystals and Assignments of Raman Peaks of Pure TeO ₂ ; Glass. Journal of the Ceramic Society of Japan, 1989, 97, 1435-1440. | 1.3 | 113 |
| 7 | Raman spectra of binary tellurite glasses containing tri- or tetra-valent cations. Journal of Non-Crystalline Solids, 1995, 191, 115-123. | 3.1 | 110 |
| 8 | Structural study of MoO _{3/2} TeO ₂ glasses. Journal of Non-Crystalline Solids, 1995, 185, 135-144. | 3.1 | 100 |
| 9 | Raman spectra of glasses. Journal of Non-Crystalline Solids, 1992, 151, 222-228. | 3.1 | 71 |
| 10 | Optical and electric properties of Nb-doped anatase TiO ₂ single crystal. Journal of Physics and Chemistry of Solids, 2004, 65, 1181-1185. | 4.0 | 52 |
| 11 | UV reflection spectra of anatase TiO ₂ . Journal of Electron Spectroscopy and Related Phenomena, 1996, 78, 75-78. | 1.7 | 33 |
| 12 | Property and Structure of Glasses in the System TeO ₂ -PO _{5/2} . Journal of the Ceramic Society of Japan, 1988, 96, 973-979. | 1.3 | 15 |
| 13 | Annealing of Anatase Titanium Dioxide under Hydrogen Atmosphere.. Journal of the Ceramic Society of Japan, 2001, 109, 672-675. | 1.3 | 14 |
| 14 | 6-Coordinated Si ⁴⁺ in SiO ₂ -PO _{5/2} Glasses. Journal of the Ceramic Society of Japan, 1988, 96, 571-573. | 1.3 | 13 |
| 15 | Ultra-High Vacuum Optical Second Harmonic Microscope. Japanese Journal of Applied Physics, 2000, 39, L253-L255. | 1.5 | 10 |
| 16 | Raman Spectra of Potassium and Sodium Selenite Glasses. Journal of the Ceramic Society of Japan, 1998, 106, 256-259. | 1.3 | 9 |
| 17 | Electron Paramagnetic Resonance and Optical Absorption of Yellow Anatase TiO ₂ Single Crystal. Journal of the Physical Society of Japan, 2009, 78, 114701. | 1.6 | 9 |
| 18 | Structure of GaO _{3/2} -TeO ₂ Glasses.. Journal of the Ceramic Society of Japan, 2000, 108, 236-240. | 1.3 | 6 |

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|----|--|------|-----------|
| 19 | Pressure-Effect on Anatase Titanium Dioxide. High Pressure Research, 2002, 22, 319-323. | 1.2 | 6 |
| 20 | UV irradiation effect on Al-doped anatase titanium dioxide. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 173-176. | 0.8 | 6 |
| 21 | Effect of pressure on photochromic furoylfulgide. European Physical Journal B, 2013, 86, 1. | 1.5 | 6 |
| 22 | 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 |
| 23 | Raman Spectra of $\text{MO}_{2-x}\text{PO}_{5/2}$ (M=Si, Ge) Glasses. Journal of the Ceramic Society of Japan, 1988, 96, 271-276. | 1.3 | 5 |
| 24 | OPTICAL PROPERTIES OF ANATASE TiO_2 UNDER THE HIGH PRESSURE. International Journal of Modern Physics B, 2001, 15, 3952-3955. | 2.0 | 5 |
| 25 | Persistent Trapping of Photogenerated Carriers in Colorless Anatase TiO_2 Single Crystals. Journal of the Physical Society of Japan, 2012, 81, 124701. | 1.6 | 5 |
| 26 | Change in electronic state of nitrogen in oxidized titanium nitride. Journal of Physics and Chemistry of Solids, 2022, 168, 110817. | 4.0 | 5 |
| 27 | An EXAFS Study of Local Structure in $\text{GeO}_2\text{-P}_2\text{O}_5$ Glasses. Journal of the Ceramic Association Japan, 1987, 95, 418-422. | 0.2 | 4 |
| 28 | The Reaction Process of Firefly Bioluminescence Triggered by Photolysis of Caged-ATP. Photochemistry and Photobiology, 2011, 87, 653-658. | 2.5 | 4 |
| 29 | Catalytic generation of negative ions at metal surfaces with water adlayers. Journal of Materials Science, 2019, 54, 12887-12897. | 3.7 | 3 |
| 30 | Magnetic Properties of ErCrO_3 under High Pressures. Journal of the Physical Society of Japan, 2007, 76, 112-113. | 1.6 | 2 |
| 31 | Structure of $\text{KO}_{1/2}\text{-GeO}_2$ Glasses Studied by Substitution of SnO_2 . Journal of the Ceramic Association Japan, 1986, 94, 1225-1230. | 0.2 | 1 |
| 32 | Photo-induced Conversion of Furoylfulgide Single Crystal Under High Pressures. Phase Transitions, 2002, 75, 903-910. | 1.3 | 1 |
| 33 | Double Electron-Electron Resonance Between Trapped Electron and Hole in a Semiconductor. Applied Magnetic Resonance, 2018, 49, 757-766. | 1.2 | 1 |
| 34 | Electronic state of nitrogen in doped titanium dioxide. Journal of Physics: Conference Series, 2019, 1220, 012014. | 0.4 | 1 |
| 35 | 1P269 Time dependence of firefly bioluminescence induced by the photoresolution of caged-ATP(Photobiology:Vision & Photoreception,The 48th Annual Meeting of the Biophysical) Tj ETQq1 1 0.784314 rgBT /Overlaid | 0.78 | 1 |
| 36 | Time-resolved chemiluminescence of firefly luciferin generated by dissolving oxygen in deoxygenated dimethyl sulfoxide containing potassium tert -butoxide. Biophysics and Physicobiology, 2015, 12, 69-78. | 1.0 | 0 |

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|----|--|-----|-----------|
| 37 | 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 |
| 38 | OPTICAL PROPERTIES OF ANATASE TiO ₂ UNDER THE HIGH PRESSURE. , 2001, , . | | 0 |