

# Sakae Tanemura

## List of Publications by Year in descending order

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26  
papers

2,030  
citations

331538

21  
h-index

580701

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2429  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategies for breaking theoretical evaporation limitation in direct solar steam generation. <i>Solar Energy Materials and Solar Cells</i> , 2021, 220, 110842.	3.0	47
2	Flame-treated and fast-assembled foam system for direct solar steam generation and non-plugging high salinity desalination with self-cleaning effect. <i>Applied Energy</i> , 2019, 241, 652-659.	5.1	85
3	Extremely high water-production created by a nanoink-stained PVA evaporator with embossment structure. <i>Nano Energy</i> , 2019, 55, 368-376.	8.2	86
4	A mimetic transpiration system for record high conversion efficiency in solar steam generator under one-sun. <i>Materials Today Energy</i> , 2018, 8, 166-173.	2.5	145
5	A Novel Ink-stained Paper for Solar Heavy Metal Treatment and Desalination. <i>Solar Rrl</i> , 2018, 2, 1800073.	3.1	49
6	The emergence of solar thermal utilization: solar-driven steam generation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7691-7709.	5.2	255
7	Morphology Control of Ag Polyhedron Nanoparticles for Cost-effective and Fast Solar Steam Generation. <i>Solar Rrl</i> , 2017, 1, 1600023.	3.1	72
8	Ellipsometric studies of optical properties of Er-doped ZnO thin films synthesized by sol-gel method. <i>Thin Solid Films</i> , 2013, 543, 125-129.	0.8	17
9	Efficient, low-cost solar thermoelectric cogenerators comprising evacuated tubular solar collectors and thermoelectric modules. <i>Applied Energy</i> , 2013, 109, 51-59.	5.1	98
10	A facile process to prepare copper oxide thin films as solar selective absorbers. <i>Applied Surface Science</i> , 2011, 257, 10729-10736.	3.1	107
11	Effect of annealing temperature on optical properties of Er-doped ZnO films prepared by sol-gel method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 148, 35-39.	1.7	47
12	Structural and Optical Characterization of Semiconducting TiN Nanoparticles Thin Film. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 356-361.	0.8	7
13	Low resistivity p-ZnO films fabricated by sol-gel spin coating. <i>Applied Physics Letters</i> , 2006, 88, 251116.	1.5	96
14	The improvement of optical reactivity for TiO <sub>2</sub> thin films by N <sub>2</sub> /H <sub>2</sub> plasma surface-treatment. <i>Journal of Crystal Growth</i> , 2004, 260, 118-124.	0.7	98
15	Fabrication, characterization and Raman study of anatase-TiO <sub>2</sub> nanorods by a heating-sol-gel template process. <i>Journal of Crystal Growth</i> , 2004, 264, 246-252.	0.7	134
16	Heating-sol-gel template process for the growth of TiO <sub>2</sub> nanorods with rutile and anatase structure. <i>Applied Surface Science</i> , 2004, 238, 175-179.	3.1	83
17	IR properties of SiO deposited on V <sub>1-x</sub> W <sub>x</sub> O <sub>2</sub> thermochromic films by vacuum evaporation. <i>Thin Solid Films</i> , 2000, 375, 100-103.	0.8	8
18	New material design with V <sub>1-x</sub> W <sub>x</sub> O <sub>2</sub> film for sky radiator to obtain temperature stability. <i>Solar Energy</i> , 1998, 64, 3-7.	2.9	29

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19	Optical constants of $V_{1-x}W_xO_2$ films. Applied Optics, 1998, 37, 1858.	2.1	84
20	CROSS-SECTIONAL OBSERVATIONS BY HRTEM OF THE STRUCTURE OF NICKEL OXIDE ELECTROCHROMIC THIN FILMS IN THE AS-DEPOSITED STATE AND THE BLEACHED STATE. Materials Research Bulletin, 1997, 32, 839-845.	2.7	8
21	Thin film used to obtain a constant temperature lower than the ambient. Thin Solid Films, 1996, 281-282, 232-234.	0.8	23
22	Characterization of niobium oxide electrochromic thin films prepared by reactive d.c. magnetron sputtering. Thin Solid Films, 1996, 281-282, 235-238.	0.8	63
23	Relationship between Transition Temperature and x in $V_{1-x}W_xO_2$ Films Deposited by Dual-Target Magnetron Sputtering. Japanese Journal of Applied Physics, 1995, 34, 2459-2460.	0.8	98
24	<title>Formation of $V_{1-x}W_xO_2$ thermochromic films by reactive magnetron sputtering with an alloy target</title>. , 1995, , .		
25	Nickel Oxide Electrochromic Thin Films Prepared by Reactive DC Magnetron Sputtering. Japanese Journal of Applied Physics, 1995, 34, 2440-2446.	0.8	169
26	Formation and Thermochromism of $VO_2$ Films Deposited by RF Magnetron Sputtering at Low Substrate Temperature. Japanese Journal of Applied Physics, 1994, 33, 1478-1483.	0.8	122