Sakae Tanemura

List of Publications by Year
in descending order

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26	2,030	331670 21	580821 25
papers	citations	h-index	g-index

26	26	26	2429
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The emergence of solar thermal utilization: solar-driven steam generation. Journal of Materials Chemistry A, 2017, 5, 7691-7709.	10.3	255
2	Nickel Oxide Electrochromic Thin Films Prepared by Reactive DC Magnetron Sputtering. Japanese Journal of Applied Physics, 1995, 34, 2440-2446.	1.5	169
3	A mimetic transpiration system for record high conversion efficiency in solar steam generator under one-sun. Materials Today Energy, 2018, 8, 166-173.	4.7	145
4	Fabrication, characterization and Raman study of anatase-TiO2 nanorods by a heating-solâ€“gel template process. Journal of Crystal Growth, 2004, 264, 246-252.	1.5	134
5	Formation and Thermochromism ofVO2Films Deposited by RF Magnetron Sputtering at Low Substrate Temperature. Japanese Journal of Applied Physics, 1994, 33, 1478-1483.	1.5	122
6	A facile process to prepare copper oxide thin films as solar selective absorbers. Applied Surface Science, 2011, 257, 10729-10736.	6.1	107
7	Relationship between Transition Temperature and x in V1- xW xO2 Films Deposited by Dual-Target Magnetron Sputtering. Japanese Journal of Applied Physics, 1995, 34, 2459-2460.	1.5	98
8	The improvement of optical reactivity for TiO2 thin films by N2â€“H2 plasma surface-treatment. Journal of Crystal Growth, 2004, 260, 118-124.	1.5	98
9	Efficient, low-cost solar thermoelectric cogenerators comprising evacuated tubular solar collectors and thermoelectric modules. Applied Energy, 2013, 109, 51-59.	10.1	98
10	Low resistivity p-ZnO films fabricated by sol-gel spin coating. Applied Physics Letters, 2006, 88, 251116.	3.3	96
11	Extremely high water-production created by a nanoink-stained PVA evaporator with embossment structure. Nano Energy, 2019, 55, 368-376.	16.0	86
12	Flame-treated and fast-assembled foam system for direct solar steam generation and non-plugging high salinity desalination with self-cleaning effect. Applied Energy, 2019, 241, 652-659.	10.1	85
13	Optical constants of V_1-xW_xO_2 films. Applied Optics, 1998, 37, 1858.	2.1	84
14	Heating-solâ€“gel template process for the growth of TiO2 nanorods with rutile and anatase structure. Applied Surface Science, 2004, 238, 175-179.	6.1	83
15	Morphology Control of Ag Polyhedron Nanoparticles for Costâ€Effective and Fast Solar Steam Generation. Solar Rrl, 2017, 1, 1600023.	5.8	72
16	Characterization of niobium oxide electrochromic thin films prepared by reactive d.c. magnetron sputtering. Thin Solid Films, 1996, 281-282, 235-238.	1.8	63
17	A Novel Inkâ€Stained Paper for Solar Heavy Metal Treatment and Desalination. Solar Rrl, 2018, 2, 1800073.	5.8	49
18	Effect of annealing temperature on optical properties of Er-doped ZnO films prepared by solâ€“gel method. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 148, 35-39.	3.5	47

#	Article	IF	Citations
19	Strategies for breaking theoretical evaporation limitation in direct solar steam generation. Solar Energy Materials and Solar Cells, 2021, 220, 110842.	6.2	47
20	New material design with V1â^'xWxO2 film for sky radiator to obtain temperature stability. Solar Energy, 1998, 64, 3-7.	6.1	29
21	Thin film used to obtain a constant temperature lower than the ambient. Thin Solid Films, 1996, 281-282, 232-234.	1.8	23
22	Ellipsometric studies of optical properties of Er-doped ZnO thin films synthesized by solâ€“gel method. Thin Solid Films, 2013, 543, 125-129.	1.8	17
23	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.	5.2	8
24	IR properties of SiO deposited on V1â^'xWxO2 thermochromic films by vacuum evaporation. Thin Solid Films, 2000, 375, 100-103.	1.8	8
25	Structural and Optical Characterization of Semiconducting TiN Nanoparticles Thin Film. Japanese Journal of Applied Physics, 2007, 46, 356-361.	1.5	7
26	<title>Formation of V<formula><inf><roman>1-x</roman></inf></formula>W<formula><inf><roman>x</roman></inf></formula>O<formula><inf><roman> thermochromic films by reactive magnetron sputtering with an alloy target</title>. , 1995, , .		0