

Peer LÄjbmänn

List of Publications by Year in descending order

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52
papers

1,113
citations

361413

20
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414414

32
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all docs

53
docs citations

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times ranked

1161
citing authors

#	ARTICLE	IF	CITATIONS
1	Inorganic-organic hybrid polymers for printing of optical components: from digital light processing to inkjet 3D-printing. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 101, 649-654.	2.4	2
2	Large-Area Electrochromic Devices on Flexible Polymer Substrates with High Optical Contrast and Enhanced Cycling Stability. <i>Advanced Materials Technologies</i> , 2021, 6, 2000836.	5.8	30
3	Sol-gel matrix for YAG:Ce phosphors in pc-LEDs. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 97, 458-465.	2.4	4
4	Electrochromic Polymer Ink Derived from a Sidechain-Modified EDOT for Electrochromic Devices with Colorless Bright State. <i>ChemElectroChem</i> , 2021, 8, 726-734.	3.4	4
5	New Roll-to-Roll Processable PEDOT-Based Polymer with Colorless Bleached State for Flexible Electrochromic Devices. <i>Advanced Functional Materials</i> , 2020, 30, 1906254.	14.9	68
6	Avoiding Voltage-Induced Degradation in PET-ITO-Based Flexible Electrochromic Devices. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 36695-36705.	8.0	26
7	Transparent conductive organic-inorganic hybrid composites based on Ag nanowires. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 96, 121-129.	2.4	3
8	Thermal Annealing and Laser Treatment of Sol-gel Derived Zirconia Thin Films. <i>Lasers in Manufacturing and Materials Processing</i> , 2020, 7, 234-243.	2.2	2
9	Systematic Comparison of Thermal Annealing and Laser Treatment of TiO ₂ Thin Films Prepared by Sol-Gel Processing. <i>Lasers in Manufacturing and Materials Processing</i> , 2019, 6, 387-397.	2.2	2
10	BN-hybrid polymer composites: influence of particle surface functionalization. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 86, 135-140.	2.4	3
11	MgF ₂ films prepared from solvothermally treated precursor solutions. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 85, 514-519.	2.4	2
12	Sol-Gel Processing of MgF ₂ Antireflective Coatings. <i>Nanomaterials</i> , 2018, 8, 295.	4.1	18
13	Mesoporous TiO ₂ thin films prepared from hydrothermally treated precursor powder sols. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 87, 292-298.	2.4	0
14	Anti-soiling Effect of Porous SiO ₂ Coatings. , 2018, , 3253-3269.		0
15	Solubility of porous MgF ₂ films in water: influence of glass substrates. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 82, 40-44.	2.4	8
16	Characterization of sol-gel thin films by ellipsometric porosimetry. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 84, 2-15.	2.4	23
17	Hybrid polymer incorporating BN particles: Thermal, mechanical, and electrical properties. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 83, 489-494.	2.4	6
18	Antireflective coatings by sol-gel processing: commercial products and future perspectives. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 83, 291-295.	2.4	17

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19	Anti-soiling surfaces for PV applications prepared by sol-gel processing: Comparison of laboratory testing and outdoor exposure. <i>Solar Energy Materials and Solar Cells</i> , 2016, 157, 422-428.	6.2	44
20	Adjustable refractive index of titania-alumina thin films prepared from soluble precursor powders. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 77, 69-77.	2.4	6
21	Anti-soiling Effect of Porous SiO ₂ Coatings. , 2016, , 1-18.		0
22	SiO ₂ -TiO ₂ scattering layers prepared by sol-gel processing for light management in thin film solar cells. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 74, 585-593.	2.4	6
23	Porous MgF ₂ antireflective $\lambda/4$ films prepared by sol-gel processing: comparison of synthesis approaches. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 76, 82-89.	2.4	24
24	Sol-gel derived scattering layers as substrates for thin-film photovoltaic cells. <i>Thin Solid Films</i> , 2014, 564, 201-205.	1.8	5
25	Periodic nanostructures imprinted on high-temperature stable sol-gel films by ultraviolet-based nanoimprint lithography for photovoltaic and photonic applications. <i>Thin Solid Films</i> , 2014, 562, 274-281.	1.8	23
26	Sol-gel preparation of TiO ₂ and MgF ₂ multilayers. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 67, 436-441.	2.4	12
27	Hybrid polymer sol-gel material for UV-nanoimprint: microstructure and thermal densification. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 66, 73-83.	2.4	15
28	Microstructure and performance of AZO thin films prepared by sol-gel processing. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 66, 120-125.	2.4	8
29	Transparent Conducting Oxides. , 2013, , 655-672.		5
30	Antireflective Coatings and Optical Filters. , 2013, , 707-724.		9
31	MgF ₂ antireflective coatings by sol-gel processing: film preparation and thermal densification. <i>Journal of Materials Chemistry</i> , 2012, 22, 18535.	6.7	60
32	Characterization of stacked sol-gel films: Comparison of results derived from scanning electron microscopy, UV-vis spectroscopy and ellipsometric porosimetry. <i>Thin Solid Films</i> , 2012, 520, 1880-1884.	1.8	14
33	Antireflective coatings prepared by sol-gel processing: Principles and applications. <i>Journal of the European Ceramic Society</i> , 2012, 32, 2995-2999.	5.7	92
34	Influence of single layer thickness on the performance of undoped and Mg-doped CuCrO ₂ thin films by sol-gel processing. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 57, 157-163.	2.4	17
35	TiO ₂ thin films on soda-lime and borosilicate glass prepared by sol-gel processing: influence of the substrates. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 58, 400-406.	2.4	13
36	Anti-soiling effect of porous SiO ₂ coatings prepared by sol-gel processing. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 59, 239-244.	2.4	38

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37	Growth mechanism of Nb-doped TiO ₂ sol-gel multilayer films characterized by SEM and focus/defocus TEM. <i>Journal of Sol-Gel Science and Technology</i> , 2010, 53, 148-153.	2.4	33
38	Atmospheric control of gel-oxide transformation in sol-gel derived Al ₂ O ₃ -Y ₂ O ₃ fibers. <i>Journal of Sol-Gel Science and Technology</i> , 2010, 55, 9-14.	2.4	2
39	Structural and physical effects of Mg-doping on p-type CuCrO ₂ and CuAl _{0.5} Cr _{0.5} O ₂ thin films. <i>Journal of Materials Chemistry</i> , 2010, 20, 6562.	6.7	54
40	Microstructure of sol-gel derived TiO ₂ thin films characterized by atmospheric ellipsometric porosimetry. <i>Thin Solid Films</i> , 2009, 517, 1596-1600.	1.8	30
41	Preparation of p-type conducting transparent CuCrO ₂ and CuAl _{0.5} Cr _{0.5} O ₂ thin films by sol-gel processing. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 52, 113-119.	2.4	51
42	Preparation of CuAlO ₂ and CuCrO ₂ thin films by sol-gel processing. <i>Thin Solid Films</i> , 2009, 518, 1153-1156.	1.8	77
43	Formation, densification and properties of sol-gel TiO ₂ films prepared from triethanolamine-chelated soluble precursor powders. <i>Journal of Sol-Gel Science and Technology</i> , 2008, 45, 251-259.	2.4	10
44	Modified procedure for the sol-gel processing of indium-tin oxide (ITO) films. <i>Journal of Sol-Gel Science and Technology</i> , 2008, 47, 68-73.	2.4	27
45	Crack formation in TiO ₂ films prepared by sol-gel processing: Quantification and characterization. <i>Thin Solid Films</i> , 2007, 515, 5212-5219.	1.8	57
46	Liquid phase deposition of TiO ₂ on glass: Systematic comparison to films prepared by sol-gel processing. <i>Thin Solid Films</i> , 2007, 515, 8072-8077.	1.8	43
47	Densification and Microstructural Evolution of TiO ₂ Films Prepared by Sol-Gel Processing. <i>Chemistry of Materials</i> , 2006, 18, 4478-4485.	6.7	39
48	Soluble Powders as Precursors for TiO ₂ Thin Films. <i>Journal of Sol-Gel Science and Technology</i> , 2005, 33, 275-282.	2.4	18
49	Structural Evolution in Sol-Gel-Derived Yttrium Aluminum Garnet-Alumina Precursor Fibers. <i>Journal of the American Ceramic Society</i> , 2002, 85, 2827-2833.	3.8	18
50	Inorganic Thin Films Prepared from Soluble Powders and Their Applications. <i>Journal of Sol-Gel Science and Technology</i> , 2000, 19, 473-477.	2.4	13
51	Lead Zirconate-Titanate Films Prepared from Soluble Powders. <i>Journal of Sol-Gel Science and Technology</i> , 1998, 13, 827-831.	2.4	12
52	Densification and Crystallization of Lead Titanate Aerogels. <i>Journal of the American Ceramic Society</i> , 1997, 80, 2658-2666.	3.8	20