

Douglas Alan Keszler

List of Publications by Year in descending order

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152
papers

6,326
citations

71061

41
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74
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168
all docs

168
docs citations

168
times ranked

6163
citing authors

#	ARTICLE	IF	CITATIONS
1	Aqueous Inorganic Inks for Low-Temperature Fabrication of ZnO TFTs. <i>Journal of the American Chemical Society</i> , 2008, 130, 17603-17609.	6.6	324
2	Inverse Design of High Absorption Thin-Film Photovoltaic Materials. <i>Advanced Energy Materials</i> , 2013, 3, 43-48.	10.2	316
3	Tin oxide transparent thin-film transistors. <i>Journal Physics D: Applied Physics</i> , 2004, 37, 2810-2813.	1.3	309
4	Spin-coated zinc oxide transparent transistors. <i>Journal Physics D: Applied Physics</i> , 2003, 36, L105-L107.	1.3	258
5	CsLiB ₆ O ₁₀ : A noncentrosymmetric polyborate. <i>Materials Research Bulletin</i> , 1995, 30, 209-215.	2.7	170
6	Enhanced Thermoelectric Performance of Synthetic Tetrahedrites. <i>Chemistry of Materials</i> , 2014, 26, 2047-2051.	3.2	170
7	Strong Near-Infrared Luminescence in BaSnO ₃ . <i>Journal of the American Chemical Society</i> , 2004, 126, 9796-9800.	6.6	145
8	An amorphous oxide semiconductor thin-film transistor route to oxide electronics. <i>Current Opinion in Solid State and Materials Science</i> , 2014, 18, 53-61.	5.6	143
9	Iron Chalcogenide Photovoltaic Absorbers. <i>Advanced Energy Materials</i> , 2011, 1, 748-753.	10.2	138
10	Borates for optical frequency conversion. <i>Current Opinion in Solid State and Materials Science</i> , 1996, 1, 204-211.	5.6	135
11	Synthesis, structure, and properties of the orthoborate SrCu ₂ (BO ₃) ₂ . <i>Journal of Solid State Chemistry</i> , 1991, 93, 430-435.	1.4	120
12	Synthesis, crystal chemistry, and optical properties of metal borates. <i>Current Opinion in Solid State and Materials Science</i> , 1999, 4, 155-162.	5.6	118
13	Advancing MIM Electronics: Amorphous Metal Electrodes. <i>Advanced Materials</i> , 2011, 23, 74-78.	11.1	106
14	Solution-Processed Aluminum Oxide Phosphate Thin-Film Dielectrics. <i>Chemistry of Materials</i> , 2007, 19, 4023-4029.	3.2	103
15	Eu ²⁺ Luminescence in the Borates X ₂ Z(BO ₃) ₂ (X = Ba, Sr; Z = Mg, Ca). <i>Chemistry of Materials</i> , 1997, 9, 2071-2077.	3.2	99
16	Solution-Processed HfSO _x and ZrSO _x Inorganic Thin-Film Dielectrics and Nanolaminates. <i>Advanced Functional Materials</i> , 2007, 17, 2117-2124.	7.8	98
17	Thin-film transistors with transparent amorphous zinc indium tin oxide channel layer. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 1335-1338.	1.3	94
18	Low-Temperature Thin-Film Deposition and Crystallization. <i>Science</i> , 2002, 297, 65-65.	6.0	93

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19	Red, green, and blue Eu ²⁺ luminescence in solid-state borates: A structure-property relationship. <i>Materials Research Bulletin</i> , 1996, 31, 147-151.	2.7	88
20	Low-Energy Path to Dense HfO ₂ Thin Films with Aqueous Precursor. <i>Chemistry of Materials</i> , 2011, 23, 945-952.	3.2	87
21	Nonlinear Optical Crystal Y _x La _y Sc _z (BO ₃) ₄ (x+y+z= 4). <i>Chemistry of Materials</i> , 2005, 17, 2687-2692.	3.2	86
22	Structure and Eu ²⁺ luminescence of dibarium magnesium orthoborate. <i>Materials Research Bulletin</i> , 1995, 30, 105-111.	2.7	85
23	p-type conductivity in wide-band-gap BaCuQF (Q=S,Se). <i>Applied Physics Letters</i> , 2003, 82, 2814-2816.	1.5	74
24	High resolution, high sensitivity inorganic resists. <i>Microelectronic Engineering</i> , 2009, 86, 730-733.	1.1	74
25	Oligomeric group 13 hydroxide compounds—a rare but varied class of molecules. <i>Chemical Society Reviews</i> , 2012, 41, 1019-1030.	18.7	72
26	Chemical and Structural Investigation of High-Resolution Patterning with HafSO _x . <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 2917-2921.	4.0	72
27	Rational Synthesis and Characterization of a New Family of Low Thermal Conductivity Misfit Layer Compounds [(PbSe) _{0.99}] _m (WSe ₂) _n . <i>Chemistry of Materials</i> , 2010, 22, 1002-1009.	3.2	67
28	Synthesis of the Hydroxide Cluster [Al ₁₃ (¹ / ₄ -OH) ₆ (¹ / ₄ -OH) ₁₈ (H ₂ O) ₂₄] ⁹⁺ from an Aqueous Solution. <i>Inorganic Chemistry</i> , 2011, 50, 4683-4685.	15.7	67
29	Synthesis of Heterometallic Group 13 Nanoclusters and Inks for Oxide Thin-Film Transistors. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9484-9486.	7.2	66
30	Competitive device performance of low-temperature and all-solution-processed metal-oxide thin-film transistors. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	64
31	Transparent p-type conducting BaCu ₂ S ₂ films. <i>Applied Physics Letters</i> , 2002, 80, 4393-4394.	1.5	60
32	New Borate Structures for Nlo Applications. <i>Materials Research Society Symposia Proceedings</i> , 1993, 329, 15.	0.1	58
33	Report from the third workshop on future directions of solid-state chemistry: The status of solid-state chemistry and its impact in the physical sciences. <i>Progress in Solid State Chemistry</i> , 2008, 36, 1-133.	3.9	58
34	Electrolytic synthesis of aqueous aluminum nanoclusters and in situ characterization by femtosecond Raman spectroscopy and computations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18397-18401.	3.3	58
35	Zn ₂ GeO ₄ :Mn alternating-current thin-film electroluminescent devices. <i>Journal of Luminescence</i> , 2002, 99, 311-324.	1.5	56
36	Nb ₂ O ₅ and Ta ₂ O ₅ Thin Films from Polyoxometalate Precursors: A Single Proton Makes a Difference. <i>Crystal Growth and Design</i> , 2015, 15, 3885-3892.	1.4	56

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37	Low-temperature, solution processing of TiO ₂ thin films and fabrication of multilayer dielectric optical elements. <i>Solid State Sciences</i> , 2009, 11, 1692-1699.	1.5	54
38	Sr ₂ LiSiO ₄ F: Synthesis, Structure, and Eu ²⁺ Luminescence. <i>Chemistry of Materials</i> , 1995, 7, 1299-1302.	3.2	52
39	Chalcogen-based transparent conductors. <i>Thin Solid Films</i> , 2008, 516, 5795-5799.	0.8	46
40	Design Meets Nature: Tetrahedrite Solar Absorbers. <i>Advanced Energy Materials</i> , 2015, 5, 1401506.	10.2	45
41	The noncentrosymmetric orthoborate BaZn ₂ (BO ₃) ₂ . <i>Journal of Solid State Chemistry</i> , 1992, 100, 325-330.	1.4	44
42	The mixed orthoborate pyroborates Sr ₂ Sc ₂ B ₄ O ₁₁ and Ba ₂ Sc ₂ B ₄ O ₁₁ : Pyroborate geometry. <i>Journal of Solid State Chemistry</i> , 1991, 95, 126-135.	1.4	42
43	Atomic Solid State Energy Scale. <i>Journal of the American Chemical Society</i> , 2011, 133, 16852-16860.	6.6	42
44	Amorphous In ^δ Ga ^ε Zn Oxide Semiconducting Thin Films with High Mobility from Electrochemically Generated Aqueous Nanocluster Inks. <i>Chemistry of Materials</i> , 2015, 27, 5587-5596.	3.2	41
45	Alkyltin Keggin Clusters Templated by Sodium. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10140-10144.	7.2	41
46	New ternary and quaternary transition-metal selenides: Syntheses and characterization. <i>Journal of Solid State Chemistry</i> , 1985, 57, 68-81.	1.4	40
47	Gap modulation in MCu[Q _{1-x} Q ²⁺ _x]F (M=Ba, Sr; Q, Q ²⁺ =S, Se, Te) and related materials. <i>Thin Solid Films</i> , 2003, 445, 288-293.	0.8	40
48	Acid-Stable Peroxonitobosphosphate Clusters To Make Patterned Films. <i>Chemistry - A European Journal</i> , 2015, 21, 6727-6731.	1.7	39
49	Directly patterned inorganic hardmask for EUV lithography. <i>Proceedings of SPIE</i> , 2011, , .	0.8	35
50	Color Control in Sulfide Phosphors: Turning up the Light for Electroluminescent Displays. <i>Chemistry of Materials</i> , 2000, 12, 268-270.	3.2	34
51	A new structural type in ternary chalcogenide chemistry: Structure and properties of Nb ₂ Pd ₃ Se ₈ . <i>Journal of Solid State Chemistry</i> , 1984, 52, 73-79.	1.4	33
52	CaAl ₂ (BO ₃) ₂ O: Crystal Structure. <i>Materials Research Bulletin</i> , 1998, 33, 299-304.	2.7	33
53	Amphoteric Aqueous Hafnium Cluster Chemistry. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6221-6224.	7.2	32
54	Valence band structure of BaCuSF and BaCuSeF. <i>Journal of Applied Physics</i> , 2006, 100, 083705.	1.1	31

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55	Structure and physical properties of BaCuTeF. <i>Journal of Solid State Chemistry</i> , 2007, 180, 1672-1677.	1.4	30
56	Solution based prompt inorganic condensation and atomic layer deposition of Al ₂ O ₃ films: A side-by-side comparison. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2014, 32, .	0.9	30
57	Crystallizing Elusive Chromium Polycations. <i>CheM</i> , 2016, 1, 887-901.	5.8	30
58	Role of Combustion Chemistry in Low-Temperature Deposition of Metal Oxide Thin Films from Solution. <i>Chemistry of Materials</i> , 2017, 29, 9480-9488.	3.2	30
59	Earth-abundant Cu-based chalcogenide semiconductors as photovoltaic absorbers. <i>Journal of Materials Chemistry C</i> , 2013, 1, 657-662.	2.7	29
60	New Layered Polyborates Cs ₂ M ₂ B ₁₀ O ₁₇ (M = Na, K). <i>Inorganic Chemistry</i> , 1996, 35, 463-466.	1.9	28
61	Peroxide-Promoted Disassembly Reassembly of Zr-Polyoxocations. <i>Journal of the American Chemical Society</i> , 2019, 141, 16894-16902.	6.6	28
62	Syntheses and crystal structures of the $\hat{1}\pm$ - and $\hat{1}^2$ -forms of the orthoborate Sr ₂ Cu(BO ₃) ₂ . <i>Journal of Solid State Chemistry</i> , 1989, 81, 305-313.	1.4	27
63	The new strontium scandium borate Sr ₃ Sc(BO ₃) ₃ . <i>Chemistry of Materials</i> , 1989, 1, 292-294.	3.2	27
64	Formation of a Photoluminescent Surface on n-Si by Irradiation Without an Externally Applied Potential. <i>Journal of the Electrochemical Society</i> , 1993, 140, L97-L98.	1.3	27
65	Synthesis of 3R-CuMO ₂ + $\hat{1}$ (M=Ga, Sc, In). <i>Journal of Solid State Chemistry</i> , 2003, 173, 355-358.	1.4	27
66	Functional Ultrathin Films and Nanolaminates from Aqueous Solutions. <i>Chemistry of Materials</i> , 2013, 25, 210-214.	3.2	27
67	Size-Dependent Structural Distortions in One-Dimensional Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1982-1985.	7.2	27
68	Group additivity-Pourbaix diagrams advocate thermodynamically stable nanoscale clusters in aqueous environments. <i>Nature Communications</i> , 2017, 8, 15852.	5.8	27
69	Barrier height estimation of asymmetric metal-insulator-metal tunneling diodes. <i>Journal of Applied Physics</i> , 2013, 114, 213703.	1.1	26
70	Structure of laser-pulse-plasma-induced carbon clusters: Explanation of the magic numbers. <i>Physical Review B</i> , 1987, 36, 4570-4573.	1.1	25
71	The layered borate SrBe ₂ (BO ₃) ₂ . <i>Journal of Solid State Chemistry</i> , 1990, 85, 270-274.	1.4	25
72	Spectroscopic and laser properties of Nd ³⁺ in LaSc ₃ (BO ₃) ₄ host. <i>Journal of Applied Physics</i> , 2001, 90, 4997-5001.	1.1	25

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73	Crystal chemistry of colquiriite-type fluorides. <i>Chemistry of Materials</i> , 1992, 4, 645-648.	3.2	24
74	Synthesis of an Aluminum Hydroxide Octamer through a Simple Dissolution Method. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10161-10164.	7.2	24
75	Aluminum Oxide Thin Films from Aqueous Solutions: Insights from Solid-State NMR and Dielectric Response. <i>Chemistry of Materials</i> , 2018, 30, 7456-7463.	3.2	24
76	Growth of nonlinear optical crystal $\text{Y}_0.57\text{La}_{0.72}\text{Sc}_{2.71}(\text{BO}_3)_4$. <i>Journal of Crystal Growth</i> , 2006, 292, 464-467.	0.7	22
77	Photopatternable inorganic hardmask. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, C6S19-C6S22.	0.6	22
78	Monitoring Photochemical Reaction Pathways of Tungsten Hexacarbonyl in Solution from Femtoseconds to Minutes. <i>Journal of Physical Chemistry B</i> , 2016, 120, 13161-13168.	1.2	22
79	The pentaborate $\text{Ba}_2\text{LiB}_5\text{O}_{10}$. <i>Materials Research Bulletin</i> , 1989, 24, 725-731.	2.7	21
80	Tetrahedral Triangular 3-D Framework and Europium Luminescence in the Borate $\text{BaBe}_2(\text{BO}_3)_2$. <i>Inorganic Chemistry</i> , 1994, 33, 1201-1204.	1.9	21
81	CuTaS_3 : Intermetal d Transitions Enable High Solar Absorption. <i>Chemistry of Materials</i> , 2017, 29, 2594-2598.	3.2	21
82	Superstructure of a phosphor material $\text{Ba}_3\text{MgSi}_2\text{O}_8$ determined by neutron diffraction data. <i>Journal of Solid State Chemistry</i> , 2009, 182, 496-501.	1.4	20
83	Crystal Chemistry of Noncentrosymmetric Alkali-Metal Nb and Ta Oxide Pyroborates. <i>Journal of Solid State Chemistry</i> , 1995, 120, 74-79.	1.4	19
84	Stoichiometric, trigonal huntite borate $\text{CeSc}_3(\text{BO}_3)_4$. <i>Solid State Sciences</i> , 2000, 2, 101-106.	0.8	19
85	Passivation of Amorphous Oxide Semiconductors Utilizing a Zinc-Tin-Silicon Oxide Barrier Layer. <i>IEEE Electron Device Letters</i> , 2012, 33, 836-838.	2.2	19
86	Atomic solid state energy scale: Universality and periodic trends in oxidation state. <i>Journal of Solid State Chemistry</i> , 2015, 231, 138-144.	1.4	19
87	Thermal and radiation chemistry of butyltin oxo hydroxo: A model inorganic photoresist. <i>Microelectronic Engineering</i> , 2019, 205, 26-31.	1.1	19
88	The Pyroborate Fluoride $\text{Ba}_5(\text{B}_2\text{O}_5)_2\text{F}_2$. <i>Journal of Solid State Chemistry</i> , 1993, 106, 310-316.	1.4	18
89	Transparent thin-film transistor exploratory development via sequential layer deposition and thermal annealing. <i>Thin Solid Films</i> , 2006, 515, 2717-2721.	0.8	18
90	Tunable dielectric thin films by aqueous, inorganic solution-based processing. <i>Solid State Sciences</i> , 2011, 13, 2037-2040.	1.5	18

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91	Low-index, smooth Al ₂ O ₃ films by aqueous solution process. <i>Optical Materials Express</i> , 2017, 7, 273.	1.6	18
92	Mechanistic Study of HafSO _x Extreme Ultraviolet Inorganic Resists. <i>Journal of Physical Chemistry C</i> , 2018, 122, 16100-16112.	1.5	18
93	Preparation, characterization, and physical properties of the series MPd ₃ S ₄ (M = rare earth). <i>Journal of the Chemical Society Dalton Transactions</i> , 1985, , 2369.	1.1	17
94	Reaction Pathway: Aqueous Hexatantalate Clusters to High-Density Tantalum Oxide Nanofilms. <i>Chemistry of Materials</i> , 2016, 28, 1553-1558.	3.2	17
95	CRYSTAL STRUCTURE OF THE BORATE Ba ₂ Ca(BO ₃) ₂ . <i>Main Group Metal Chemistry</i> , 1995, 18, .	0.6	16
96	All-inorganic thermal nanoimprint process. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, 823-828.	0.6	16
97	Synthesis, Structure, and Properties of the Noncentrosymmetric Pyroborate BaCuB ₂ O ₅ . <i>Journal of Solid State Chemistry</i> , 1997, 129, 184-188.	1.4	15
98	Luminescent impurity doping trends in alternating-current thin-film electroluminescent phosphors. <i>Journal of Luminescence</i> , 2002, 97, 68-81.	1.5	15
99	Oxide films: low-temperature deposition and crystallization. <i>Journal of Solid State Chemistry</i> , 2003, 175, 84-87.	1.4	15
100	Ta-based amorphous metal thin films. <i>Journal of Alloys and Compounds</i> , 2015, 650, 102-105.	2.8	15
101	Amphoteric Aqueous Hafnium Cluster Chemistry. <i>Angewandte Chemie</i> , 2016, 128, 6329-6332.	1.6	15
102	Minerals to Materials: Bulk Synthesis of Aqueous Aluminum Clusters and Their Use as Precursors for Metal Oxide Thin Films. <i>Chemistry of Materials</i> , 2017, 29, 7760-7765.	3.2	15
103	Demonstration of Fowler-Nordheim Tunneling in Simple Solution-Processed Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36082-36087.	4.0	15
104	Evaluation of Thermal and Radiation Induced Chemistries of Metal Oxo-Hydroxo Clusters for Next-Generation Nanoscale Inorganic Resists. <i>ACS Applied Nano Materials</i> , 2018, 1, 4548-4556.	2.4	15
105	[Sc ₂ (¹ / ₄ -OH) ₂ (H ₂ O) ₆ (NO ₃) ₂](NO ₃) ₂ : Aqueous Synthesis and Characterization. <i>Inorganic Chemistry</i> , 2013, 52, 1807-1811.	1.9	14
106	Differentiating Zr/Hf ^{IV} Aqueous Polyoxocation Chemistry with Peroxide Ligation. <i>Inorganic Chemistry</i> , 2021, 60, 1631-1640.	1.9	13
107	Nanoimprinting for diffractive light trapping in solar cells. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, C6M98-C6M103.	0.6	12
108	Electronic properties of BaCuChF (Ch=S,Se,Te) surfaces and BaCuSeF/ZnPc interfaces. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	12

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109	Transistors pick up steam. <i>Nature Materials</i> , 2011, 10, 9-10.	13.3	12
110	Low-Temperature Steam Annealing of Metal Oxide Thin Films from Aqueous Precursors: Enhanced Counterion Removal, Resistance to Water Absorption, and Dielectric Constant. <i>Chemistry of Materials</i> , 2017, 29, 8531-8538.	3.2	12
111	Hydrolysis and Condensation of $(n\text{-BuSnCl}_3)$: Enabling Deposition of Smooth Metal Oxide Photoresist Thin Films. <i>Inorganic Chemistry</i> , 2020, 59, 3934-3941.	1.9	12
112	Structure of dioxantimony scandium heptafluoride and chromium(III) luminescence. <i>Materials Research Bulletin</i> , 1993, 28, 931-938.	2.7	11
113	Cation ordering in langasite structure types. <i>Solid State Sciences</i> , 2002, 4, 799-802.	1.5	11
114	Chemically Amplified Dehydration of Thin Oxide Films. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1081-1085.	3.2	11
115	Hydrothermal Dehydration of Precipitates: A Convenient Synthesis Method for Solids. <i>Inorganic Chemistry</i> , 2001, 40, 1724-1725.	1.9	10
116	Amorphous Metal/Oxide Nanolaminate. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 1811-1813.	4.0	10
117	<i>In situ</i> characterization of aqueous-based hafnium oxide hydroxide sulfate thin films. <i>Surface and Interface Analysis</i> , 2014, 46, 210-215.	0.8	10
118	Synthesis of an Aluminum Hydroxide Octamer through a Simple Dissolution Method. <i>Angewandte Chemie</i> , 2017, 129, 10295-10298.	1.6	10
119	High-Resolution Lithographic Patterning with Organotin Films: Role of CO_2 in Differential Dissolution Rates. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18974-18983.	4.0	10
120	Band alignment at the BaCuSeF/ZnTe interface. <i>Applied Physics Letters</i> , 2010, 96, 162110.	1.5	9
121	Mainstreaming inorganic metal-oxide resists for high-resolution lithography. <i>Frontiers of Nanoscience</i> , 2016, 11, 349-375.	0.3	9
122	Alkyltin Keggin Clusters Templated by Sodium. <i>Angewandte Chemie</i> , 2017, 129, 10274-10278.	1.6	9
123	Elucidation of bonding trends from variability in Atomic Solid State Energies. <i>Journal of Solid State Chemistry</i> , 2019, 274, 337-351.	1.4	9
124	Mentoring Graduate Students in Research and Teaching by Utilizing Research as a Template. <i>Journal of Chemical Education</i> , 2014, 91, 200-205.	1.1	8
125	TaWSi amorphous metal thin films: composition tuning to improve thermal stability. <i>MRS Communications</i> , 2017, 7, 715-720.	0.8	8
126	$\text{Na}_3\text{Sc}_2(\text{BO}_3)_3$. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, i266-i268.	0.2	7

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127	17.4L: Late-News Paper: Contact Resistance and Process Integration Effects on High-Performance Oxide TFTs with Solution-Deposited Semiconductor and Gate Dielectric Layers. Digest of Technical Papers SID International Symposium, 2010, 41, 241.	0.1	7
128	Eu ²⁺ Luminescence Color: a Structure-Property Relationship. Materials Research Society Symposia Proceedings, 1996, 453, 247.	0.1	6
129	Simultaneous solution-based generation and characterization of crystalline bismuth thin film by femtosecond laser spectroscopy. Applied Physics Letters, 2015, 107, .	1.5	6
130	Aqueous process to limit hydration of thin-film inorganic oxides. Solid State Sciences, 2016, 61, 106-110.	1.5	6
131	Photoinduced Charge Transfer and Bimetallic Bond Dissociation of a Bi-W Complex in Solution. Journal of Physical Chemistry Letters, 2020, 11, 7575-7582.	2.1	6
132	Nonlinear optical borate crystal Ba ₂ B ₁₀ O ₁₇ . , 2001, 4268, 175.		5
133	A framework for assessing amorphous oxide semiconductor thin-film transistor passivation. Journal of the Society for Information Display, 2012, 20, 589-595.	0.8	5
134	Patterning chemistry of HafSO _x resist. Proceedings of SPIE, 2014, , .	0.8	5
135	Aerosol jet fog (ajFOG) deposition of aluminum oxide phosphate thin films from an aqueous fog. Journal of Materials Research, 2016, 31, 3303-3312.	1.2	5
136	Structural and electronic properties of indium-doped YBa ₂ Cu ₃ O _f . Journal of Materials Research, 1991, 6, 446-449.	1.2	4
137	Engineering anisotropic dielectric response through amorphous laminate structures. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 777-784.	0.8	4
138	Barium solubility in colquiriite fluorides. Materials Research Bulletin, 1993, 28, 1337-1344.	2.7	3
139	Spectra and energy levels of Nd ³⁺ in LaSc ₃ (BO ₃) ₄ . Journal of Applied Physics, 2003, 93, 3345-3351.	1.1	3
140	Diffraction light trapping in crystal-silicon films: experiment and electromagnetic modeling. Applied Optics, 2011, 50, 5728.	2.1	3
141	Interdiffusion at the BaCuSeF/ZnTe interface. Thin Solid Films, 2011, 519, 7369-7373.	0.8	3
142	Effects of Oxygen Incorporation on the Physical Properties of Amorphous Metal Thin Films. Journal of Physical Chemistry C, 2014, 118, 9647-9651.	1.5	3
143	Transparent electronics and prospects for transparent displays. , 2003, , .		2
144	Strong Near-Infrared Luminescence in BaSnO ₃ .. ChemInform, 2004, 35, no.	0.1	2

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145	Structural convergence properties of amorphous InGaZnO ₄ from simulated liquid-quench methods. Dalton Transactions, 2017, 46, 15311-15316.	1.6	2
146	Thermal and photochemical analysis of bimetallic Bi ^{III} -Mo and Bi ^{III} -W carbonyl complexes. Solid State Sciences, 2021, 113, 106451.	1.5	1
147	Area-selective aerosol jet fog deposition: Advancing large-area and sustainable fabrication. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, 013407.	0.9	1
148	Nonlinear Optical Crystal YxLayScz(BO ₃) ₄ (x + y + z = 4).. ChemInform, 2005, 36, no.	0.1	0
149	Monoalkyl Tin Nano ^{II} Cluster Films Reveal a Low Environmental Impact under Simulated Natural Conditions. Environmental Toxicology and Chemistry, 2019, 38, 2651-2658.	2.2	0
150	Synthesis and Structural Analysis of Novel Phosphonium Hexatungstate Complexes. Journal of Cluster Science, 2021, 32, 693-702.	1.7	0
151	RbLi ₂ Ga ₂ (BO ₃) ₃ . Acta Crystallographica Section C: Crystal Structure Communications, 2000, 56, 631-632.	0.4	0
152	Scandium Strontium Borate, Aluminum Strontium Yttrium Borate, and Lanthanum Magnesium Strontium Borate. Inorganic Syntheses, 0, , 257-262.	0.3	0