

Maarit Karppinen

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208
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h-index

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220
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6.54
L-index

#	Paper	IF	Citations
208	A2B?B?O6 perovskites: A review. <i>Progress in Solid State Chemistry</i> , 2015 , 43, 1-36	8	625
207	Atomic layer deposition of ZnO: a review. <i>Semiconductor Science and Technology</i> , 2014 , 29, 043001	1.8	274
206	Inorganic hollow nanotube aerogels by atomic layer deposition onto native nanocellulose templates. <i>ACS Nano</i> , 2011 , 5, 1967-74	16.7	265
205	Organic and inorganic-organic thin film structures by molecular layer deposition: A review. <i>Beilstein Journal of Nanotechnology</i> , 2014 , 5, 1104-36	3	208
204	Double-Perovskite Anode Materials Sr2MMoO6 (M = Co, Ni) for Solid Oxide Fuel Cells. <i>Chemistry of Materials</i> , 2009 , 21, 2319-2326	9.6	189
203	Evidence for valence fluctuation of Fe in Sr2FeMoO6 double perovskite. <i>Applied Physics Letters</i> , 2000 , 76, 2925-2927	3.4	180
202	Simultaneously enhanced thermoelectric power and reduced resistivity of NaxCo2O4 by controlling Na nonstoichiometry. <i>Applied Physics Letters</i> , 2001 , 79, 1480-1482	3.4	136
201	Evidence for Oxygen Vacancies in Misfit-Layered Calcium Cobalt Oxide, [CoCa2O3]qCoO2. <i>Chemistry of Materials</i> , 2004 , 16, 2790-2793	9.6	115
200	Oxygen content analysis of functional perovskite-derived cobalt oxides. <i>Journal of Materials Chemistry</i> , 2002 , 12, 1761-1764		112
199	Control of the charge inhomogeneity and high-Tc superconducting properties in homologous series of multi-layered copper oxides. <i>Materials Science and Engineering Reports</i> , 1999 , 26, 51-96	30.9	97
198	Cationic Ordering and Microstructural Effects in the Ferromagnetic Perovskite La0.5Ba0.5CoO3: Impact upon Magnetotransport Properties. <i>Chemistry of Materials</i> , 2008 , 20, 2742-2750	9.6	86
197	Atomic Layer Deposition of Lithium Phosphorus Oxynitride. <i>Chemistry of Materials</i> , 2015 , 27, 6987-6993	9.6	85
196	Atomic/Molecular Layer Deposition of Lithium Terephthalate Thin Films as High Rate Capability Li-Ion Battery Anodes. <i>Nano Letters</i> , 2016 , 16, 1276-81	11.5	83
195	Titanium dioxide thin films by atomic layer deposition: a review. <i>Semiconductor Science and Technology</i> , 2017 , 32, 093005	1.8	83
194	Low-temperature atomic layer deposition of ZnO thin films: Control of crystallinity and orientation. <i>Thin Solid Films</i> , 2011 , 519, 5319-5322	2.2	81
193	Atomic/molecular layer deposition: a direct gas-phase route to crystalline metal-organic framework thin films. <i>Chemical Communications</i> , 2016 , 52, 1139-42	5.8	80
192	Growth of conductive copper sulfide thin films by atomic layer deposition. <i>Journal of Materials Chemistry</i> , 2002 , 12, 1022-1026		78

191	New Member of the $R_{12}F$ Family, LaBaCo ₂ O _{5.5} : Synthesis, Structure, and Magnetism. <i>Chemistry of Materials</i> , 2009 , 21, 102-109	9.6	77
190	Homologous series of layered cuprates. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 263, 146-150		66
189	Thermoelectric characteristics of (Zn,Al)O/hydroquinone superlattices. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 13619	13	62
188	Crystal and Magnetic Structure of the Orthorhombic Perovskite YbMnO ₃ . <i>Chemistry of Materials</i> , 2006 , 18, 2130-2134	9.6	60
187	Efficiently suppressed thermal conductivity in ZnO thin films via periodic introduction of organic layers. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12150-12152	13	59
186	Barrier properties of Al ₂ O ₃ and alucone coatings and nanolaminates on flexible biopolymer films. <i>Thin Solid Films</i> , 2012 , 520, 6780-6785	2.2	59
185	Comparison of some coating techniques to fabricate barrier layers on packaging materials. <i>Thin Solid Films</i> , 2010 , 518, 5463-5466	2.2	59
184	Application of high-pressure techniques: stabilization and oxidation-state control of novel superconductive and related multi-layered copper oxides. <i>Superconductor Science and Technology</i> , 2000 , 13, R33-R52	3.1	59
183	Organic electrode materials with solid-state battery technology. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 18735-18758	13	57
182	Atomic-Level Structural and Electronic Properties of Hybrid Inorganic/Organic ZnO:Hydroquinone Superlattices Fabricated by ALD/MLD. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 13105-13114	3.8	54
181	A comparative study of the functionalization of mesoporous silica MCM-41 by deposition of 3-aminopropyltrimethoxysilane from toluene and from the vapor phase. <i>Microporous and Mesoporous Materials</i> , 2009 , 121, 79-83	5.3	54
180	Oxygen Storage Capacity and Phase Stability of Variously Substituted YBaCo ₄ O _{7+x} . <i>Chemistry of Materials</i> , 2013 , 25, 599-604	9.6	53
179	Photo-Controlled Wettability Switching by Conformal Coating of Nanoscale Topographies with Ultrathin Oxide Films. <i>Chemistry of Materials</i> , 2010 , 22, 3349-3352	9.6	52
178	Synthesis and Properties of CoO ₂ , the x = 0 End Member of the Li _x CoO ₂ and Na _x CoO ₂ Systems. <i>Chemistry of Materials</i> , 2007 , 19, 5063-5066	9.6	51
177	In Situ Atomic/Molecular Layer-by-Layer Deposition of Inorganic/Organic Coordination Network Thin Films from Gaseous Precursors. <i>Chemistry of Materials</i> , 2016 , 28, 6260-6265	9.6	49
176	Inorganic/Organic superlattice thin films for thermoelectrics. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 10349-10361	7.1	45
175	Atomic Layer Deposition of WO ₃ Thin Films using W(CO) ₆ and O ₃ Precursors. <i>Chemical Vapor Deposition</i> , 2012 , 18, 245-248		44
174	Layer-by-layer deposition of TiO ₂ /4,4'-oxydianiline hybrid thin films. <i>Applied Surface Science</i> , 2011 , 257, 6435-6439	6.7	43

173	Effect of corona pre-treatment on the performance of gas barrier layers applied by atomic layer deposition onto polymer-coated paperboard. <i>Applied Surface Science</i> , 2010 , 257, 736-740	6.7	43
172	Antibacterial and barrier properties of oriented polymer films with ZnO thin films applied with atomic layer deposition at low temperatures. <i>Thin Solid Films</i> , 2014 , 562, 331-337	2.2	42
171	Spin-liquid-like state in a spin-1/2 square-lattice antiferromagnet perovskite induced by d-d cation mixing. <i>Nature Communications</i> , 2018 , 9, 1085	17.4	41
170	Atomic layer deposition of metals: Precursors and film growth. <i>Applied Physics Reviews</i> , 2019 , 6, 041309	17.3	38
169	Flexible Thermoelectric ZnO/Organic Superlattices on Cotton Textile Substrates by ALD/MLD. <i>Advanced Electronic Materials</i> , 2017 , 3, 1600459	6.4	37
168	Heat-transport mechanisms in molecular building blocks of inorganic/organic hybrid superlattices. <i>Physical Review B</i> , 2016 , 93,	3.3	35
167	Parent of Misfit-Layered Cobalt Oxides: [Sr ₂ O ₂] _q CoO ₂ . <i>Chemistry of Materials</i> , 2006 , 18, 155-158	9.6	35
166	Hole concentration in the three-CuO ₂ -plane copper-oxide superconductor Cu-1223. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 1037-1043	3.3	35
165	Atomic layer deposition of transparent semiconducting oxide CuCrO ₂ thin films. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 8364-8371	7.1	33
164	Iron-Terephthalate Coordination Network Thin Films Through In-Situ Atomic/Molecular Layer Deposition. <i>Scientific Reports</i> , 2018 , 8, 8976	4.9	33
163	Identification of superconducting phases in the Ba-Ca-Cu-O system: an unstable phase with T _c 26 K and its derivative with T _c 90 K. <i>Journal of Materials Chemistry</i> , 1999 , 9, 1141-1148		33
162	ALD/MLD of novel layer-engineered Zn-based inorganic-organic hybrid thin films using heterobifunctional 4-aminophenol as an organic precursor. <i>Dalton Transactions</i> , 2013 , 42, 3869-75	4.3	32
161	Atomic Layer Deposition of p-Type Semiconducting Thin Films: a Review. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700300	4.6	32
160	New Water-Containing Phase Derived from the Sr ₃ Fe ₂ O ₇ -Phase of the Ruddlesden-Popper Structure. <i>Chemistry of Materials</i> , 2005 , 17, 2775-2779	9.6	32
159	Ultra-low thermal conductivity in TiO ₂ :C superlattices. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11527-11532	15.3	31
158	ZnO: Hydroquinone superlattice structures fabricated by atomic/molecular layer deposition. <i>Thin Solid Films</i> , 2014 , 551, 23-26	2.2	31
157	Extensive Series of Hexagonal and Orthorhombic RMnO ₃ (R = Y, La, Sm, Tb, Yb, Lu) Thin Films by Atomic Layer Deposition. <i>Chemistry of Materials</i> , 2011 , 23, 1835-1840	9.6	31
156	Control of Oxygen Nonstoichiometry and Magnetic Property of MnCo ₂ O ₄ Thin Films Grown by Atomic Layer Deposition. <i>Chemistry of Materials</i> , 2010 , 22, 6297-6300	9.6	30

155	Layer-specific hole concentrations in Bi ₂ Sr ₂ (Y _{1-x} Cax)Cu ₂ O ₈ + δ s probed by XANES spectroscopy and coulometric redox analysis. <i>Physical Review B</i> , 2003 , 67,	3.3	30
154	Atomic/Molecular Layer Deposition of s-Block Metal Carboxylate Coordination Network Thin Films. <i>Chemistry - A European Journal</i> , 2017 , 23, 18225-18231	4.8	29
153	In situ lithiated quinone cathode for ALD/MLD-fabricated high-power thin-film battery. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7027-7033	13	29
152	Characterization of magnetic properties of Sr ₂ CuWO ₆ and Sr ₂ CuMoO ₆ . <i>Physical Review B</i> , 2014 , 89,	3.3	29
151	Enhanced p-Type Transparent Semiconducting Characteristics for ALD-Grown Mg-Substituted CuCrO ₂ Thin Films. <i>Advanced Electronic Materials</i> , 2017 , 3, 1600341	6.4	27
150	Tunable optical properties of hybrid inorganic-organic [(TiO ₂) _m (Ti-O-C ₆ H ₄ -O-) _k] _n superlattice thin films. <i>Dalton Transactions</i> , 2015 , 44, 591-7	4.3	27
149	Reduction in thermal conductivity and tunable heat capacity of inorganic/organic hybrid superlattices. <i>Physical Review B</i> , 2016 , 93,	3.3	27
148	Atomic layer deposition of quaternary oxide (La,Sr)CoO ₃ - δ thin films. <i>Dalton Transactions</i> , 2015 , 44, 8001-43	4.3	26
147	Three- and Two-Photon NIR-to-Vis (Yb,Er) Upconversion from ALD/MLD-Fabricated Molecular Hybrid Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 8845-8852	9.5	26
146	The YBaCo ₄ O ₇ + δ Based Functional Oxide Material Family: A Review. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 4056-4067	2.3	26
145	Synthesis and Characterization of Sr ₂ Cu(W _{1-x} Mox)O ₆ : A Quasi-Two-Dimensional Magnetic System. <i>Chemistry of Materials</i> , 2012 , 24, 2764-2774	9.6	25
144	Homologous Series of SrCoO(3n δ)/n Perovskites Obtained Through Br ₂ Oxygenation of SrCoO _{2.5} . <i>Chemistry of Materials</i> , 2008 , 20, 7143-7147	9.6	25
143	Lanthanide-based inorganic-organic hybrid materials for photon-upconversion. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 6946-6965	7.1	24
142	Layer-by-layer design of nanostructured thermoelectrics: First-principles study of ZnO:organic superlattices fabricated by ALD/MLD. <i>Nano Energy</i> , 2016 , 22, 338-348	17.1	24
141	Self-erasing and rewritable wettability patterns on ZnO thin films. <i>Applied Physics Letters</i> , 2010 , 97, 044102	10.2	24
140	Superconductivity and oxygen ordering correlations in the homologous series of (Cu,Mo)Sr ₂ (Ce,Y) _s Cu ₂ O _{5+2s} + δ . <i>Physical Review B</i> , 2010 , 82,	3.3	24
139	Porosity-tuned thermal conductivity in thermoelectric Al-doped ZnO thin films grown by mist-chemical vapor deposition. <i>Thin Solid Films</i> , 2019 , 685, 180-185	2.2	23
138	Reversible Photoswitching Function in Atomic/Molecular-Layer-Deposited ZnO:Azobenzene Superlattice Thin Films. <i>Chemistry of Materials</i> , 2018 , 30, 5904-5911	9.6	23

137	Hybrid inorganic-organic superlattice structures with atomic layer deposition/molecular layer deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2014 , 32, 01A105	2.9	23
136	Lithium Aryloxide Thin Films with Guest-Induced Structural Transformation by ALD/MLD. <i>Chemistry - A European Journal</i> , 2017 , 23, 2988-2992	4.8	22
135	Organic-Inorganic Thin Films from TiCl ₄ and 4-Aminophenol Precursors: A Model Case of ALD/MLD Hybrid-Material Growth?. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 968-974	2.3	22
134	Thermoelectric Properties of Oxygen-Tuned ALD-Grown [Ca ₂ CoO ₃] _{0.62} [CoO ₂] Thin Films. <i>Chemistry of Materials</i> , 2010 , 22, 5900-5904	9.6	22
133	Thermal Conductivity Reduction at Inorganic-Organic Interfaces: From Regular Superlattices to Irregular Gradient Layer Sequences. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701692	4.6	21
132	Electronic and Vibrational Properties of TiS ₂ , ZrS ₂ , and HfS ₂ : Periodic Trends Studied by Dispersion-Corrected Hybrid Density Functional Methods. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 26835-26844	3.8	21
131	Efficient Process for Direct Atomic Layer Deposition of Metallic Cu Thin Films Based on an Organic Reductant. <i>Chemistry of Materials</i> , 2017 , 29, 1230-1235	9.6	20
130	Iron-based inorganic-organic hybrid and superlattice thin films by ALD/MLD. <i>Dalton Transactions</i> , 2015 , 44, 19194-9	4.3	20
129	Flexible inorganic-organic thin film phosphors by ALD/MLD. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 12316-12321	7.1	20
128	Bulk superconductivity at 84 K in the strongly overdoped regime of cuprates. <i>Physical Review B</i> , 2016 , 94,	3.3	20
127	ALD/MLD processes for Mn and Co based hybrid thin films. <i>Dalton Transactions</i> , 2016 , 45, 10730-5	4.3	20
126	Simple ALD process for Fe ₂ O ₃ thin films. <i>APL Materials</i> , 2017 , 5, 056104	5.7	19
125	Flexible FeO-Terephthalate Thin-Film Magnets through ALD/MLD. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 21912-21921	9.5	19
124	Atomic/Molecular Layer Deposited Iron-Azobenzene Framework Thin Films for Stimuli-Induced Gas Molecule Capture/Release. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13400-13404	16.4	19
123	Tuning the S=1/2 square-lattice antiferromagnet Sr ₂ Cu(Te _{1-x} W _x)O ₆ from Néel order to quantum disorder to columnar order. <i>Physical Review B</i> , 2018 , 98,	3.3	18
122	Atomic/molecular layer deposited thin-film alloys of Ti-4,4'-oxydianiline hybrid-TiO ₂ with tunable properties. <i>Dalton Transactions</i> , 2012 , 41, 10731-9	4.3	18
121	Impacts of the zero-homologous series, O ₁ (n ⁺) _n and O ₂ (n ⁺) _n . <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 335, 273-278	1.3	18
120	Three-Dimensional Uracil Network with Sodium as a Linker. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 26342-26349	3.8	17

119	Techniques of differential scanning calorimetry for quantification of low contents of amorphous phases. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 102, 171-180	4.1	17
118	Atomic layer deposition of nickel-cobalt spinel thin films. <i>Dalton Transactions</i> , 2017 , 46, 4796-4805	4.3	16
117	Magnetic structure of Sr ₂ CuWO ₆ . <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 496001	1.8	16
116	Electron doping of ALD-grown ZnO thin films through Al and P substitutions. <i>Journal of Materials Science</i> , 2013 , 48, 2806-2811	4.3	16
115	Luminescent Metal-Nucleobase Network Thin Films by Atomic/Molecular Layer Deposition. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 17538-17545	3.8	16
114	Electronic structures, hole-doping, and superconductivity of the s = 1, 2, 3, and 4 members of the (Cu,Mo)-12s ₂ homologous series of superconductive copper oxides. <i>Journal of the American Chemical Society</i> , 2010 , 132, 838-41	16.4	16
113	Spin wave excitations in the tetragonal double perovskite Sr ₂ CuWO ₆ . <i>Physical Review B</i> , 2016 , 94,	3.3	16
112	Ca-substitution and O-doping effects in superconducting Cu(Ba _{0.8} Sr _{0.2}) ₂ (Yb _{1-x} Cax)Cu ₂ O _{6+z} obtained from neutron diffraction refinements. <i>Physical Review B</i> , 1999 , 60, 4378-4385	3.3	15
111	ALD/MLD fabrication of luminescent Eu-organic hybrid thin films using different aromatic carboxylic acid components with N and O donors. <i>RSC Advances</i> , 2016 , 6, 103412-103417	3.7	14
110	High-T _c superconductivity in three-fluorite-layer copper oxides. II. (Cu,Mo)Sr ₂ (Ce,Y) ₃ Cu ₂ O _{11+□} <i>Physical Review B</i> , 2004 , 70,	3.3	14
109	Atomic/molecular layer deposition of hybrid inorganic-organic thin films from erbium guanidinate precursor. <i>Journal of Materials Science</i> , 2017 , 52, 6216-6224	4.3	13
108	Strongly reduced thermal conductivity in hybrid ZnO/nanocellulose thin films. <i>Journal of Materials Science</i> , 2017 , 52, 6093-6099	4.3	13
107	Atomic/molecular layer deposition and electrochemical performance of dilithium 2-aminoterephthalate. <i>Dalton Transactions</i> , 2020 , 49, 1591-1599	4.3	13
106	New s-Block Metal Pyridinedicarboxylate Network Structures through Gas-Phase Thin-Film Synthesis. <i>Chemistry - A European Journal</i> , 2019 , 25, 11466-11473	4.8	13
105	EXAFS study of thermoelectric BiCuOSe: Effects of Cu vacancies. <i>Solid State Communications</i> , 2015 , 206, 12-16	1.6	13
104	Amorphous-to-crystalline transition and photoluminescence switching in guest-absorbing metal-organic network thin films. <i>Chemical Communications</i> , 2019 , 56, 241-244	5.8	13
103	Mixing ALD/MLD-grown ZnO and Zn-4-aminophenol layers into various thin-film structures. <i>Dalton Transactions</i> , 2013 , 42, 15043-52	4.3	12
102	Intercalation of Primary Alcohols into Layered Titanoniobates. <i>Inorganic Chemistry</i> , 2017 , 56, 9132-9138	5.1	12

101	Redox state analysis for understanding the high-T _c superconductivity in highly unstable Ba ₂ Ca ₂ Cu ₃ O ₈ phase with T _c ≈ 24 K and its derivative phase with T _c ≈ 8 K. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 382, 276-282	1.3	12
100	Electrochemically Active In Situ Crystalline Lithium-Organic Thin Films by ALD/MLD. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 41557-41566	9.5	12
99	Atomic/molecular layer deposition of Cu-organic thin films. <i>Dalton Transactions</i> , 2018 , 47, 15791-15800	4.3	12
98	Anomalous thickness-dependent optical energy gap of ALD-grown ultra-thin CuO films. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 475801	1.8	11
97	Excitation-dependent fluorescence from atomic/molecular layer deposited sodium-uracil thin films. <i>Scientific Reports</i> , 2017 , 7, 6982	4.9	11
96	Overdoped cuprates with high-temperature superconducting transitions. <i>APL Materials</i> , 2013 , 1, 021103	5.7	11
95	Hole doping and superconductivity characteristics of the s=1, 2 and 3 members of the (Cu,Mo)-12s ₂ homologous series of layered copper oxides. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 3464-3470	3.3	11
94	Tailoring of Optoelectronic Properties of γ -Fe ₂ O ₃ Thin Films Through Insertion of Organic Interlayers. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018 , 12, 1800390	2.5	11
93	Assessment of magnetic properties of AB'B''O double perovskites by multivariate data analysis techniques. <i>Chemical Communications</i> , 2019 , 55, 1722-1725	5.8	10
92	Up-converting ALD/MLD thin films with Yb ³⁺ , Er ³⁺ in amorphous organic framework. <i>Journal of Luminescence</i> , 2019 , 213, 310-315	3.8	10
91	Organic-Component Dependent Crystal Orientation and Electrical Transport Properties in ALD/MLD Grown ZnO-Organic Superlattices. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 13765-13770	3.8	10
90	Numerical study on the fluid dynamical aspects of atomic layer deposition process. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2018 , 36, 021516	2.9	10
89	Structural distinction due to deposition method in ultrathin films of cellulose nanofibres. <i>Cellulose</i> , 2018 , 25, 1715-1724	5.5	10
88	Competition between ferromagnetism and antiferromagnetism in the rutile Cr _{1-x} V _x O ₂ system. <i>Physical Review B</i> , 2016 , 93,	3.3	10
87	Low-Temperature Molecular Layer Deposition Using Monofunctional Aromatic Precursors and Ozone-Based Ring-Opening Reactions. <i>Langmuir</i> , 2017 , 33, 9657-9665	4	10
86	Effect of heat-treatment on the performance of gas barrier layers applied by atomic layer deposition onto polymer-coated paperboard. <i>Journal of Applied Polymer Science</i> , 2011 , 122, 2221-2227	2.9	10
85	Low-temperature atomic layer deposition of crystalline manganese oxide thin films. <i>Dalton Transactions</i> , 2016 , 45, 18737-18741	4.3	10
84	Advances in upconversion enhanced solar cell performance. <i>Solar Energy Materials and Solar Cells</i> , 2021 , 230, 111234	6.4	10

83	Photon up-converting (Yb,Er) ₂ O ₃ thin films by atomic layer deposition. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017 , 11, 1700076	2.5	9
82	Fermi surface topology and large magnetoresistance in the topological semimetal candidate PrBi. <i>Physical Review B</i> , 2019 , 99,	3.3	9
81	The [U F] Anion of Sr[U F]. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2914-2918	16.4	9
80	Atomic/Molecular Layer Deposited IronAzobenzene Framework Thin Films for Stimuli-Induced Gas Molecule Capture/Release. <i>Angewandte Chemie</i> , 2019 , 131, 13534-13538	3.6	9
79	Magnetodielectric response of square-coordinated MnO ₂ unit in cubic BiMn ₇ O ₁₂ . <i>Applied Physics Letters</i> , 2011 , 98, 072903	3.4	9
78	Flexible thermoelectric modules based on ALD-grown ZnO on different substrates. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019 , 37, 020906	2.9	8
77	Semiconducting BiOCuSe Thermoelectrics and Its Metallic Derivative Bi ₂ YO ₄ Cu ₂ Se ₂ . <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 2574-2578	2.3	8
76	Atomic Layer Deposition of Conducting CuS Thin Films from Elemental Sulfur. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701366	4.6	8
75	Pressure-induced phase transitions of hexagonal perovskite-like oxides. <i>Journal of Solid State Chemistry</i> , 2016 , 233, 492-496	3.3	8
74	Synthesis, crystal structure and magnetic properties of a new B -site ordered double perovskite Sr ₂ Cu ₂ O ₆ . <i>Journal of Solid State Chemistry</i> , 2014 , 220, 28-31	3.3	8
73	Control of Hole Distribution and Superconducting Properties in Bi ₂ Sr ₂ (Ca _{1-x} Y _x)Cu ₂ O ₈ + δ . <i>Journal of Low Temperature Physics</i> , 1999 , 117, 837-841	1.3	8
72	Textile-Integrated ZnO-Based Thermoelectric Device Using Atomic Layer Deposition. <i>Advanced Engineering Materials</i> , 2020 , 22, 2000535	3.5	8
71	Transparent ferrimagnetic semiconducting CuCr ₂ O ₄ thin films by atomic layer deposition. <i>APL Materials</i> , 2016 , 4, 046106	5.7	8
70	Al ₂ O ₃ coating grown on Nafion membranes by atomic layer deposition. <i>Journal of Membrane Science</i> , 2015 , 495, 101-109	9.6	7
69	Local lattice distortions and dynamics in extremely overdoped superconducting YSrCuMoO. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4559-4564	11.5	7
68	Structure evolution upon chemical and physical pressure in (Sr _{1-x} Bax) ₂ FeSbO ₆ . <i>Journal of Solid State Chemistry</i> , 2017 , 246, 245-251	3.3	7
67	A ⁵⁷ Fe Mössbauer study on the FeSe and Fe(Se,Te) superconductors: discontinuities in the hyperfine parameters at T _c . <i>Hyperfine Interactions</i> , 2012 , 208, 133-136	0.8	7
66	Chemical control of high-T _c superconductivity of the triple-fluorite-layer copper oxide (Cu,Mo)Sr ₂ (Ce,R) ₃ Cu ₂ O ₁₁ + δ (R=Y,La). <i>Physical Review B</i> , 2005 , 72,	3.3	7

65	Application of Multivariate Data Analysis Techniques in Modeling Structure-Property Relationships of Some Superconductive Cuprates. <i>Journal of Solid State Chemistry</i> , 2001 , 162, 1-9	3.3	7
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