

# Catherine J Page

## List of Publications by Year in descending order

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580395

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#	ARTICLE	IF	CITATIONS
1	Unique chemistries of metal-nitrate precursors to form metal-oxide thin films from solution: materials for electronic and energy applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24124-24149.	5.2	78
2	Layer-by-Layer Growth of Acentric Multilayers of Zr and Azobenzene Bis(phosphonate): Structure, Composition, and Second-Order Nonlinear Optical Properties. <i>Chemistry of Materials</i> , 2000, 12, 2363-2371.	3.2	77
3	Self-Assembled Cobalt-Diisocyanobenzene Multilayer Thin Films. <i>Chemistry of Materials</i> , 1996, 8, 591-594.	3.2	59
4	Lanthanum Aluminum Oxide Thin-Film Dielectrics from Aqueous Solution. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 1678-1684.	4.0	58
5	Coordinate Covalent Cobalt-Diisocyanide Multilayer Thin Films Grown One Molecular Layer at a Time. <i>Langmuir</i> , 2000, 16, 1172-1179.	1.6	49
6	Interpretation of passive solar field data with EnergyPlus models: Un-conventional wisdom from four sunspaces in Eugene, Oregon. <i>Building and Environment</i> , 2013, 60, 158-172.	3.0	42
7	High- $\kappa$ Lanthanum Zirconium Oxide Thin Film Dielectrics from Aqueous Solution Precursors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 10897-10903.	4.0	41
8	Impact of Relative Humidity during Spin-Deposition of Metal Oxide Thin Films from Aqueous Solution Precursors. <i>Chemistry of Materials</i> , 2017, 29, 2921-2926.	3.2	25
9	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
10	Amorphous Mixed-Metal Oxide Thin Films from Aqueous Solution Precursors with Near-Atomic Smoothness. <i>Journal of the American Chemical Society</i> , 2016, 138, 16800-16808.	6.6	20
11	Non-uniform Composition Profiles in Inorganic Thin Films from Aqueous Solutions. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 667-672.	4.0	18
12	High Quality Magnetic Oxide Thin Films Prepared via Aqueous Solution Processing. <i>Chemistry of Materials</i> , 2016, 28, 4917-4927.	3.2	14
13	Influence of composition and processing parameters on the properties of solution-processed aluminum phosphate oxide (AlPO) thin films. <i>Solid State Sciences</i> , 2016, 55, 8-12.	1.5	14
14	Same Precursor, Two Different Products: Comparing the Structural Evolution of In-Ga-O Gel-Derived Powders and Solution-Cast Films Using Pair Distribution Function Analysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 5607-5613.	6.6	13
15	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
16	Low-temperature fabrication of lithium aluminum oxide phosphate solid electrolyte thin films from aqueous precursors. <i>RSC Advances</i> , 2017, 7, 7046-7051.	1.7	9
17	Yttrium(III) oxoisopropoxide: A new synthetic route and reinvestigation of the $^1\text{H}$ , $^{13}\text{C}$ and $^89\text{Y}$ NMR of $\text{Y}_5(\text{O})_4(\text{O}i\text{Pr})_4(\text{O}i\text{Pr})_5$ . <i>Magnetic Resonance in Chemistry</i> , 1991, 29, 1191-1195.	1.1	7
18	Second Harmonic Generation from Multilayers of Oriented Metal Bisphosphonates. <i>Materials Research Society Symposia Proceedings</i> , 1996, 435, 661.	0.1	7

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19	Nonuniform Composition Profiles in Amorphous Multimetal Oxide Thin Films Deposited from Aqueous Solution. ACS Applied Materials & Interfaces, 2017, 9, 37476-37483.	4.0	7
20	Tunable high- $\epsilon$ $Zr_xAl_{1-x}O_y$ thin film dielectrics from all-inorganic aqueous precursor solutions. RSC Advances, 2017, 7, 39147-39152.	1.7	7
21	Application of HAADF STEM image analysis to structure determination in rotationally disordered and amorphous multilayered films. Semiconductor Science and Technology, 2016, 31, 084003.	1.0	6
22	Self-Assembly of Cobalt/Bipyridine Multilayers Modeled After Hofmann Clathrate Compounds. Materials Research Society Symposia Proceedings, 1994, 351, 171.	0.1	5
23	Mapping the elemental distribution in sol-gel derived ceramics. Advanced Materials, 1996, 8, 173-176.	11.1	5
24	Sol-Gel Synthesis of $YBa_2Cu_3O_{7-x}$ Using Yttrium, Barium and Copper Polyether Alkoxide Precursors. Materials Research Society Symposia Proceedings, 1992, 271, 155.	0.1	4
25	Solution-Processed $Li_2O/Al_2O_3/TiO_2$ Nanolaminate Stacks Containing Mobile Lithium Ions and with Increased Breakdown Voltages. ACS Applied Materials & Interfaces, 2020, 12, 1241-1249.	4.0	4
26	Self-Assembly of Oriented Metal Bisphosphonate Multilayers with Potential Nonlinear Optical Properties. Materials Research Society Symposia Proceedings, 1994, 351, 269.	0.1	2
27	Composition-property relationships in high- $\epsilon$ $La_{1-x}O$ thin films from aqueous solution. Solid State Sciences, 2018, 75, 34-38.	1.5	2
28	Homogeneity in the Polyether Alkoxide Sol-Gel Synthesis of $YBa_2Cu_3O_{7-x}$ . Materials Research Society Symposia Proceedings, 1994, 346, 29.	0.1	1
29	Self-Assembly of Inorganic/Organic Multilayer Films. Materials Research Society Symposia Proceedings, 1994, 351, 77.	0.1	1
30	Sol-Gel Synthesis of the Strontium-Copper Oxycarbonate Superconductor $Sr_2CuO_2(CO_3)_{1-x}(BO_3)_x$ . Materials Research Society Symposia Proceedings, 1996, 453, 59.	0.1	0