

Caroline E Knapp

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Precursor design and impact of structure on the fabrication of materials. , 2022, , 3-53.		1
2	Deposition of metallic silver from versatile amidinate precursors for use in functional materials. Journal of Chemical Research, 2022, 46, 174751982210753.	1.3	0
3	Ethyl Zinc β -ketoiminates and β -amidoenoates: Influence of Precursor Design on the Properties of Highly Conductive Zinc Oxide Thin Films from Aerosol-Assisted Chemical Vapour Deposition.. ChemPlusChem, 2022, 87, e202100537.	2.8	1
4	Synthetic tethered silver nanoparticles on reduced graphene oxide for alkaline oxygen reduction catalysis. Journal of Materials Science, 2021, 56, 6966-6976.	3.7	4
5	Chemical vapour deposition (CVD) of nickel oxide using the novel nickel dialkylaminoalkoxide precursor [Ni(dmamp) ₂] (dmamp ² = 2-dimethylamino-2-methyl-1-propanolate). RSC Advances, 3.6 2021, 11, 22199-22205.		5
6	Synthesis, solution dynamics and chemical vapour deposition of heteroleptic zinc complexes <i>via</i> ethyl and amide zinc thioureides. Chemical Science, 2021, 12, 8822-8831.	7.4	8
7	MODs vs. NPs: Vying for the Future of Printed Electronics. Chemistry - A European Journal, 2021, 27, 8062-8081.	3.3	27
8	Synthetic and Structural Studies of Ethyl Zinc β -Amidoenoates and β -Ketoiminates. Molecules, 2021, 26, 3165.	3.8	6
9	Frontispiece: MODs vs. NPs: Vying for the Future of Printed Electronics. Chemistry - A European Journal, 2021, 27, .	3.3	0
10	Investigations into the structure, reactivity, and AACVD of aluminium and gallium amidoenoate complexes. Dalton Transactions, 2021, 51, 156-167.	3.3	2
11	Molecular Complexes Featuring Unsupported Dispersion-Enhanced Aluminum-Copper and Gallium-Copper Bonds. Journal of the American Chemical Society, 2020, 142, 19874-19878.	13.7	28
12	Low-Temperature Deposition of Highly Conductive Aluminum Metal Films on Flexible Substrates Using Liquid Alane MOD Precursors. ACS Applied Materials & Interfaces, 2020, 12, 26193-26199.	8.0	16
13	Iron-Intercalated Zirconium Diselenide Thin Films from the Low-Pressure Chemical Vapor Deposition of [Fe ⁵⁺ -C ₅ H ₄ Se] ₂ Zr(Fe ⁵⁺ -C ₅ H ₅) ₂ . ACS Omega, 2020, 5, 15799-15804.	3.5	7
14	Aerosol-assisted route to low-E transparent conductive gallium-doped zinc oxide coatings from pre-organized and halogen-free precursor. Chemical Science, 2020, 11, 4980-4990.	7.4	12
15	A novel precursor towards buffer layer materials: the first solution based CVD of zinc oxysulfide. Journal of Materials Chemistry C, 2020, 8, 5501-5508.	5.5	8
16	Structural and Dynamic Properties of Gallium Alkoxides. Inorganic Chemistry, 2019, 58, 10346-10356.	4.0	8
17	A rugged, self-sterilizing antimicrobial copper coating on ultra-high molecular weight polyethylene: a preliminary study on the feasibility of an antimicrobial prosthetic joint material. Journal of Materials Chemistry B, 2019, 7, 3310-3318.	5.8	14
18	Room-Temperature Plasma-Assisted Inkjet Printing of Highly Conductive Silver on Paper. Advanced Materials Technologies, 2018, 3, 1700326.	5.8	35

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19	Metal β^2 -diketoiminate precursor use in aerosol assisted chemical vapour deposition of gallium- and aluminium-doped zinc oxide. <i>Polyhedron</i> , 2018, 140, 35-41.	2.2	11
20	Macrocycles containing 1,1'-ferrocenyldiselenolato ligands on group 4 metallocenes. <i>Dalton Transactions</i> , 2018, 47, 5415-5421.	3.3	7
21	Precursors for Atmospheric Plasma-Enhanced Sintering: Low-Temperature Inkjet Printing of Conductive Copper. <i>ChemistryOpen</i> , 2018, 7, 850-857.	1.9	17
22	Accessing new 2D semiconductors with optical band gap: synthesis of iron-intercalated titanium diselenide thin films via LPCVD. <i>RSC Advances</i> , 2018, 8, 22552-22558.	3.6	8
23	Robust electrografted interfaces on metal oxides for electrocatalysis – an <i>in situ</i> spectroelectrochemical study. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15200-15212.	10.3	33
24	Comparison of macrocyclic and acyclic chelators for gallium-68 radiolabelling. <i>RSC Advances</i> , 2017, 7, 49586-49599.	3.6	120
25	The Crystalline Sponge Method: A Systematic Study of the Reproducibility of Simple Aromatic Molecule Encapsulation and Guest-Host Interactions. <i>Crystal Growth and Design</i> , 2016, 16, 3465-3472.	3.0	43
26	Synthesis of Trimeric Organozinc Compounds and their Subsequent Reaction with Oxygen. <i>ChemistryOpen</i> , 2016, 5, 301-305.	1.9	10
27	Aerosol assisted chemical vapour deposition of transparent conductive aluminum-doped zinc oxide thin films from a zinc triflate precursor. <i>Thin Solid Films</i> , 2016, 616, 477-481.	1.8	9
28	Reactivity of vanadium oxytrichloride with β^2 -diketones and diesters as precursors for vanadium nitride and carbide. <i>Materials and Design</i> , 2016, 108, 780-790.	7.0	15
29	$[\{VOCl_2(CH_2(COOEt)_2)\}_4]$ as a molecular precursor for thermochromic monoclinic VO_2 thin films and nanoparticles. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10453-10463.	5.5	6
30	Hybrid Organic-Inorganic Coordination Complexes as Tunable Optical Response Materials. <i>Inorganic Chemistry</i> , 2016, 55, 3393-3400.	4.0	31
31	Solution based CVD of main group materials. <i>Chemical Society Reviews</i> , 2016, 45, 1036-1064.	38.1	141
32	Aerosol-Assisted Chemical Vapour Deposition of Zinc Oxide from Single-Source β^2 -aminoesterate Precursors. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3658-3665.	2.0	17
33	Synthesis and Characterisation of Various Diester and Triester Adducts of $TiCl_4$. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3666-3673.	2.0	2
34	Origin of High Mobility in Molybdenum-Doped Indium Oxide. <i>Chemistry of Materials</i> , 2015, 27, 2788-2796.	6.7	71
35	Synthesis and characterisation of novel aluminium and gallium precursors for chemical vapour deposition. <i>New Journal of Chemistry</i> , 2015, 39, 6585-6592.	2.8	22
36	Aerosol-Assisted Chemical Vapour Deposition of Transparent Zinc Gallate Films. <i>ChemPlusChem</i> , 2014, 79, 1024-1029.	2.8	11

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37	Aerosol-Assisted Chemical Vapour Deposition of a Copper Gallium Oxide Spinel. ChemPlusChem, 2014, 79, 122-127.	2.8	21
38	Dimethylalkoxygallanes: Monomeric versus Dimeric Gas-Phase Structures. Inorganic Chemistry, 2012, 51, 3324-3331.	4.0	18
39	The Role of Group 14 Element Hydrides in the Activation of C-H Bonds in Cyclic Olefins. Journal of the American Chemical Society, 2012, 134, 14595-14603.	13.7	50
40	The use of combinatorial aerosol-assisted chemical vapour deposition for the formation of gallium-indium-oxide thin films. Journal of Materials Chemistry, 2011, 21, 12644.	6.7	22
41	Aerosol-Assisted Chemical Vapor Deposition of Transparent Conductive Gallium-Indium-Oxide Films. Chemistry of Materials, 2011, 23, 1719-1726.	6.7	59
42	Synthetic and Structural Studies of Donor-Functionalized Alkoxy Derivatives of Gallium. Inorganic Chemistry, 2011, 50, 9491-9498.	4.0	20
43	Synthesis, AACVD and X-ray crystallographic structures of group 13 monoalkoxometallanes. Main Group Chemistry, 2010, 9, 31-40.	0.8	18
44	Dimethylalkoxygallane incorporating a donor-functionalised alkoxy: the monomeric gas-phase structure. Dalton Transactions, 2008, , 6880.	3.3	10
45	Synthesis and structures of gallium alkoxides. New Journal of Chemistry, 2008, 32, 1513.	2.8	22