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Microplotter printing of planar solid electrolytes in the CeO-YO system

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Journal of Colloid and Interface Science, 2021, 588, 209-220.

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#	Paper	IF	Citations
22	Sintering behavior and electrochemical performance of A-site deficient $Sr_xTi_{0.3}Fe_{0.7}O_{3-\delta}$ oxygen electrodes for solid oxide electrochemical cells. <i>Ceramics International</i> , 2021 ,	5.1	3
21	Preparation of ZnS Nanopowders and Their Use in the Additive Production of Thick-Film Structures. <i>Russian Journal of Inorganic Chemistry</i> , 2021 , 66, 1283-1288	1.5	3
20	Pen Plotter Printing of MnOx Thin Films Using Manganese Alkoxoacetylacetonate. <i>Russian Journal of Inorganic Chemistry</i> , 2021 , 66, 1416-1424	1.5	4
19	Microextrusion printing of gas-sensitive planar anisotropic NiO nanostructures and their surface modification in an H ₂ S atmosphere. <i>Applied Surface Science</i> , 2022 , 578, 151984	6.7	4
18	Hydrothermal Synthesis of Hierarchical CoMoO ₄ Nanostructures. <i>Russian Journal of Inorganic Chemistry</i> , 2021 , 66, 1633-1638	1.5	1
17	Quantum of selectivity testing: detection of isomers and close homologs using an AZO based e-nose without a prior training. <i>Journal of Materials Chemistry A</i> ,	13	2
16	Formation of NiMoO ₄ Anisotropic Nanostructures under Hydrothermal Conditions. <i>Russian Journal of Inorganic Chemistry</i> , 2021 , 66, 1779-1784	1.5	0
15	Formation of NiCo ₂ O ₄ Thin Films by Sol-Gel Technology and Pen Plotter Printing. <i>Russian Journal of Inorganic Chemistry</i> , 2021 , 66, 2045-2052	1.5	0
14	Hydrothermally synthesized hierarchical Ce _{1-x} Sm _x O _{2-δ} oxides for additive manufacturing of planar solid electrolytes. <i>Ceramics International</i> , 2022 ,	5.1	2
13	Printing Technologies as an Emerging Approach in Gas Sensors: Survey of Literature.. <i>Sensors</i> , 2022 , 22,	3.8	6
12	Study of Programmed Co-Precipitation of Aluminum Doped Zinc Oxide for High Precision Design of Gas Analytical Units. <i>SSRN Electronic Journal</i> ,	1	
11	Study of programmed co-precipitation of aluminum doped zinc oxide for high precision design of gas analytical units. 2022 , 606, 154717		1
10	Materials Research Directions Toward a Green Hydrogen Economy: A Review. 2022 , 7, 32908-32935		1
9	Features of Glycol-Citrate Synthesis of Highly Dispersed Oxide La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} . 2022 , 67, 1495-1502		0
8	Microplotter Printing of Hierarchically Organized Planar NiCo ₂ O ₄ Nanostructures. 2022 , 67, 1848-1854		3
7	Microextrusion Printing of Multilayer Hierarchically Organized Planar Nanostructures Based on NiO, (CeO ₂) _{0.8} (Sm ₂ O ₃) _{0.2} and La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} . 2023 , 14, 3		3
6	Synthesis of Nanoscale Co ₃ O ₄ Spinel and Its Application to Form Miniature Planar Structures by Microplotter Printing. 2022 , 67, 1939-1947		1

- 5 Alkaline earth metal and lanthanide ethylene glycol carboxylates for metal oxide layer formation by spin coating. **2023**, 301, 127634
- 4 Microplotter Printing of Hierarchically Organized NiCo₂O₄ Films for Ethanol Gas Sensing. **2023**, 11, 138
- 3 Microplotter Printing of Co₃O₄ Films as Receptor Component of Hydrogen Sulfide-Sensitive Gas Sensors. **2023**, 11, 166
- 2 Efficient Synthesis of Xanthenediones Using CuCeO₂ Nanoparticle Catalyst in Aqueous Medium. 1-11
- 1 Bimetallic CoCeO₂ oxide nanoparticles: An efficient and reusable heterogeneous catalyst for the preparation of 2-amino-3-cyano-4 H -pyran derivatives.