

# Sylwia Klejna

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

246  
citations

1162889

8  
h-index

1125617

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

395  
citing authors

#	ARTICLE	IF	CITATIONS
1	First-Principles Modeling of the "Clean-Up" of Native Oxides during Atomic Layer Deposition onto III-V Substrates. <i>Journal of Physical Chemistry C</i> , 2012, 116, 643-654.	1.5	50
2	Heavy pnictogen chalcogenides: the synthesis, structure and properties of these rediscovered semiconductors. <i>Chemical Communications</i> , 2018, 54, 12133-12162.	2.2	39
3	Electronic sensitization of CuO thin films by Cr-doping for enhanced gas sensor response at low detection limit. <i>Materials Research Express</i> , 2018, 5, 126406.	0.8	34
4	Molecular engineering of logic gate types by module rearrangement in "Pourbaix Sensors": the effect of excited-state electric fields. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6195-6201.	1.5	23
5	Fluorimetric naphthalimide-based polymer logic beads responsive to acidity and oxidisability. <i>Journal of Materials Chemistry C</i> , 2019, 7, 15225-15232.	2.7	21
6	Halogen-containing semiconductors: From artificial photosynthesis to unconventional computing. <i>Coordination Chemistry Reviews</i> , 2020, 415, 213316.	9.5	21
7	Mechanisms for Substrate-Enhanced Growth during the Early Stages of Atomic Layer Deposition of Alumina onto Silicon Nitride Surfaces. <i>Chemistry of Materials</i> , 2012, 24, 1080-1090.	3.2	17
8	Decomposition of Metal Alkylamides, Alkyls, and Halides at Reducible Oxide Surfaces: Mechanism of "Clean-up" During Atomic Layer Deposition of Dielectrics onto III-V Substrates. <i>Chemistry of Materials</i> , 2014, 26, 2427-2437.	3.2	16
9	Triiodide Organic Salts: Photoelectrochemistry at the Border between Insulators and Semiconductors. <i>ChemElectroChem</i> , 2018, 5, 3486-3497.	1.7	8
10	Structural and electronic properties of multifunctional carbon composites of organometal halide perovskites. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25020-25031.	5.2	8
11	Understanding 'Clean-Up' of III-V Native Oxides During Atomic Layer Deposition Using Bulk First Principles Models. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 8246-8250.	0.9	5
12	Reversible Cation-Mediated Anionic Redox in Defect Spinel Structure for High Power Batteries. <i>Advanced Functional Materials</i> , 2022, 32, 2108278.	7.8	3
13	Supercapacitance in graphene oxide materials modified with tetrapyrrole dyes: a mechanistic study. <i>Nanoscale</i> , 2022, 14, 8534-8547.	2.8	1