

# Shawn Sanctis

## List of Publications by Year in descending order

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18  
papers

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citations

840776

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citing authors

#	ARTICLE	IF	CITATIONS
1	Zinc Oxide Defect Microstructure and Surface Chemistry Derived from Oxidation of Metallic Zinc: Thin-Film Transistor and Sensor Behavior of ZnO Films and Rods. Chemistry - A European Journal, 2021, 27, 5422-5431.	3.3	8
2	Zinc Oxide Defect Microstructure and Surface Chemistry Derived from Oxidation of Metallic Zinc. Thin Film Transistor and Sensoric Behaviour of ZnO Films and Rods. Chemistry - A European Journal, 2021, 27, 5312-5312.	3.3	0
3	A Fully Integrated Ferroelectric Thin-Film Transistor – Influence of Device Scaling on Threshold Voltage Compensation in Displays. Advanced Electronic Materials, 2021, 7, 2100082.	5.1	27
4	Synthesis, dielectric properties and application in a thin film transistor device of amorphous aluminum oxide Al <sub>x</sub> O <sub>y</sub> using a molecular based precursor route. Journal of Materials Chemistry C, 2019, 7, 1048-1056.	5.5	21
5	Engineered nanostructured virus/ZnO hybrid materials with dedicated functional properties. Bioinspired, Biomimetic and Nanobiomaterials, 2019, 8, 2-15.	0.9	6
6	Stacked indium oxide/zinc oxide heterostructures as semiconductors in thin film transistor devices: a case study using atomic layer deposition. Journal of Materials Chemistry C, 2018, 6, 464-472.	5.5	36
7	Aqueous Solution Processing of Combustible Precursor Compounds into Amorphous Indium Gallium Zinc Oxide (IGZO) Semiconductors for Thin Film Transistor Applications. Chemistry - an Asian Journal, 2018, 13, 3912-3919.	3.3	10
8	Direct Photopatterning of Solution-Processed Amorphous Indium Zinc Oxide and Zinc Tin Oxide Semiconductors – A Chimie Douce Molecular Precursor Approach to Thin Film Electronic Oxides. Advanced Materials Interfaces, 2018, 5, 1800324.	3.7	22
9	Metal Oxide Semiconductors: Direct Photopatterning of Solution-Processed Amorphous Indium Zinc Oxide and Zinc Tin Oxide Semiconductors-A Chimie Douce Molecular Precursor Approach to Thin Film Electronic Oxides (Adv. Mater. Interfaces 15/2018). Advanced Materials Interfaces, 2018, 5, 1870073.	3.7	0
10	Metal oxide double layer capacitors by electrophoretic deposition of metal oxides. Fabrication, electrical characterization and defect analysis using positron annihilation spectroscopy. Journal of Materials Chemistry C, 2018, 6, 9501-9509.	5.5	2
11	Charge Transport in Low-Temperature Processed Thin-Film Transistors Based on Indium Oxide/Zinc Oxide Heterostructures. ACS Applied Materials & Interfaces, 2018, 10, 20661-20671.	8.0	37
12	Molecular Precursors for ZnO Nanoparticles: Field-Assisted Synthesis, Electrophoretic Deposition, and Field-Effect Transistor Device Performance. Inorganic Chemistry, 2017, 56, 7550-7557.	4.0	14
13	Toward an Understanding of Thin-Film Transistor Performance in Solution-Processed Amorphous Zinc Tin Oxide (ZTO) Thin Films. ACS Applied Materials & Interfaces, 2017, 9, 21328-21337.	8.0	33
14	Zinc diketonates as single source precursors for ZnO nanoparticles: microwave-assisted synthesis, electrophoretic deposition and field-effect transistor device properties. Journal of Materials Chemistry C, 2016, 4, 7345-7352.	5.5	17
15	Understanding the temperature-dependent evolution of solution processed metal oxide transistor characteristics based on molecular precursor derived amorphous indium zinc oxide. Journal of Materials Chemistry C, 2016, 4, 10935-10944.	5.5	12
16	Microwave assisted synthesis and characterisation of a zinc oxide/tobacco mosaic virus hybrid material. An active hybrid semiconductor in a field-effect transistor device. Beilstein Journal of Nanotechnology, 2015, 6, 785-791.	2.8	12
17	Genetically Improved Monolayer-Forming Tobacco Mosaic Viruses to Generate Nanostructured Semiconducting Bio/Inorganic Hybrids. Langmuir, 2015, 31, 3897-3903.	3.5	24
18	Microwave synthesis and field effect transistor performance of stable colloidal indium-zinc-oxide nanoparticles. RSC Advances, 2013, 3, 20071.	3.6	6