Raul Zazpe

List of Publications by Year
in descending order

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58 papers	1,436 citations	304743 22 h-index	330143 37 g-index
58 all docs	58 docs citations	58 times ranked	2068 citing authors

#	Article	IF	Citations
1	Deposition of MoSe₂ flakes using cyclic selenides. RSC Advances, 2021, 11, 22140-22147.	3.6	2
2	Atomic layer deposition of photoelectrocatalytic material on 3D-printed nanocarbon structures. Journal of Materials Chemistry A, 2021, 9, 11405-11414.	10.3	21
3	Organoselenium Precursors for Atomic Layer Deposition. ACS Omega, 2021, 6, 6554-6558.	3.5	3
4	Protection of hematite photoelectrodes by ALD-TiO2 capping. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 409, 113126.	3.9	7
5	(Invited) Anodic TiO2 Nanotube Layers: Efficient Photocatalyst. ECS Meeting Abstracts, 2021, MA2021-01, 1928-1928.	0.0	0
6	Secondary Material Modified Anodic TiO2 Nanotube Layers As Efficient Gas Sensors. ECS Meeting Abstracts, 2021, MA2021-01, 1483-1483.	0.0	0
7	Anodic TiO2 nanotube walls reconstructed: Inner wall replaced by ALD TiO2 coating. Applied Surface Science, 2021, 549, 149306.	6.1	20
8	Anodic TiO2 Nanotube Layers As Scaffolds for Deposition of Functional Materials. ECS Meeting Abstracts, 2021, MA2021-01, 926-926.	0.0	0
9	2D MoTe2 nanosheets by atomic layer deposition: Excellent photo- electrocatalytic properties. Applied Materials Today, 2021, 23, 101017.	4.3	12
10	ALD coating of centrifugally spun polymeric fibers and postannealing: case study for nanotubular TiO₂ photocatalyst. Nanoscale Advances, 2021, 3, 4589-4596.	4.6	5
11	Anodic TiO2 Nanotube Layers: Efficient Photocatalyst. ECS Meeting Abstracts, 2021, MA2021-02, 1439-1439.	0.0	0
12	Removal of Ibuprofen from Water by Different Types Membranes. Polymers, 2021, 13, 4082.	4.5	3
13	Atomic Layer Deposition for Modification of Various 1D Nanomaterials. ECS Meeting Abstracts, 2021, MA2021-02, 905-905.	0.0	0
14	2D Molybdenum Dichalcogenides by Atomic Layer Deposition. ECS Meeting Abstracts, 2021, MA2021-02, 903-903.	0.0	0
15	Atomic Layer Deposition of MoSe₂ Nanosheets on TiO₂ Nanotube Arrays for Photocatalytic Dye Degradation and Electrocatalytic Hydrogen Evolution. ACS Applied Nano Materials, 2020, 3, 12034-12045.	5.0	25
16	Thin TiO₂ Coatings by ALD Enhance the Cell Growth on TiO₂ Nanotubular and Flat Substrates. ACS Applied Bio Materials, 2020, 3, 6447-6456.	4.6	27
17	Molybdenum diselenide thin films grown by atomic layer deposition: An XPS analysis. Surface Science Spectra, 2020, 27, .	1.3	10
18	TiO2 Nanotube Layers Decorated with Al2O3/MoS2/Al2O3 as Anode for Li-ion Microbatteries with Enhanced Cycling Stability. Nanomaterials, 2020, 10, 953.	4.1	9

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19	Cyclic Silylselenides: Convenient Selenium Precursors for Atomic Layer Deposition. ChemPlusChem, 2020, 85, 576-579.	2.8	8
20	Atomic Layer Deposition of SnO₂-Coated Anodic One-Dimensional TiO₂ Nanotube Layers for Low Concentration NO₂ Sensing. ACS Applied Materials & Interfaces, 2020, 12, 33386-33396.	8.0	28
21	Atomic Layer Deposition of MoSe2 Using New Selenium Precursors. FlatChem, 2020, 21, 100166.	5.6	16
22	Optimized Polymer Electrolyte Membrane Fuel Cell Electrode Using TiO₂ Nanotube Arrays with Well-Defined Spacing. ACS Applied Nano Materials, 2020, 3, 4157-4170.	5.0	14
23	Molybdenum Disulfides and Diselenides By Atomic Layer Deposition. ECS Meeting Abstracts, 2020, MA2020-01, 837-837.	0.0	1
24	Anodic TiO2 Nanotube Layers As Scaffolds for Deposition of Functional Materials. ECS Meeting Abstracts, 2020, MA2020-01, 1202-1202.	0.0	0
25	Chiral Templating of Polycarbonate Membranes by Pinene Using the Modified Atomic Layer Deposition Approach. Langmuir, 2020, 36, 12723-12734.	3.5	3
26	Anodic TiO2 Nanotube Layers: Efficient Photocatalyst. ECS Meeting Abstracts, 2020, MA2020-02, 3061-3061.	0.0	0
27	ALD growth of MoS2 nanosheets on TiO2 nanotube supports. FlatChem, 2019, 17, 100130.	5.6	22
28	TiO2 ALD Coating of Amorphous TiO2 Nanotube Layers: Inhibition of the Structural and Morphological Changes Due to Water Annealing. Frontiers in Chemistry, 2019, 7, 38.	3.6	17
29	2D MoS₂ nanosheets on 1D anodic TiO₂ nanotube layers: an efficient co-catalyst for liquid and gas phase photocatalysis. Nanoscale, 2019, 11, 23126-23131.	5.6	34
30	One-dimensional anodic TiO2 nanotubes coated by atomic layer deposition: Towards advanced applications. Applied Materials Today, 2019, 14, 1-20.	4.3	78
31	(Invited) Anodic TiO2 Nanotube Layers: Efficient Photocatalyst. ECS Meeting Abstracts, 2019, , .	0.0	0
32	Noble Metal Decorated Anodic TiO2 Nanotubes: Excellent (Electro)Catalyst. ECS Meeting Abstracts, 2019, , .	0.0	0
33	Molybdenum Disulfides and Diselenides By Atomic Layer Deposition. ECS Meeting Abstracts, 2019, , .	0.0	0
34	Molybdenum Disulfides and Diselenides By Atomic Layer Deposition. ECS Meeting Abstracts, 2019, , .	0.0	0
35	2D MoSe₂ Structures Prepared by Atomic Layer Deposition. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800023.	2.4	39
36	ZnO Coated Anodic 1D TiO₂ Nanotube Layers: Efficient Photoâ€Electrochemical and Gas Sensing Heterojunction. Advanced Engineering Materials, 2018, 20, 1700589.	3.5	48

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37	MoSe_xO_yâ€Coated 1D TiO₂ Nanotube Layers: Efficient Interface for Lightâ€Driven Applications. Advanced Materials Interfaces, 2018, 5, 1701146.	3.7	16
38	Uniform ALD deposition of Pt nanoparticles within 1D anodic TiO2 nanotubes for photocatalytic H2 generation. Electrochemistry Communications, 2018, 86, 6-11.	4.7	43
39	Spaced TiO₂ Nanotubes Enable Optimized Pt Atomic Layer Deposition for Efficient Photocatalytic H₂ Generation. ChemistryOpen, 2018, 7, 797-802.	1.9	12
40	Scaling up anodic TiO2 nanotube layers for gas phase photocatalysis. Electrochemistry Communications, 2018, 97, 91-95.	4.7	37
41	Structural and Optical Properties of Luminescent Copper(I) Chloride Thin Films Deposited by Sequentially Pulsed Chemical Vapour Deposition. Coatings, 2018, 8, 369.	2.6	12
42	Anodic TiO2 nanotubes decorated by Pt nanoparticles using ALD: An efficient electrocatalyst for methanol oxidation. Journal of Catalysis, 2018, 365, 86-93.	6.2	45
43	A 1D conical nanotubular TiO₂/CdS heterostructure with superior photon-to-electron conversion. Nanoscale, 2018, 10, 16601-16612.	5.6	39
44	Electrochemical Infilling of CuInSe₂ within TiO₂ Nanotube Layers and Subsequent Photoelectrochemical Studies. ChemElectroChem, 2017, 4, 495-499.	3.4	44
45	ALD Al₂O₃-Coated TiO₂Nanotube Layers as Anodes for Lithium-Ion Batteries. ACS Omega, 2017, 2, 2749-2756.	3.5	60
46	CdS-coated TiO₂nanotube layers: downscaling tube diameter towards efficient heterostructured photoelectrochemical conversion. Nanoscale, 2017, 9, 7755-7759.	5.6	38
47	Highly efficient photoelectrochemical and photocatalytic anodic TiO2 nanotube layers with additional TiO2 coating. Applied Materials Today, 2017, 9, 104-110.	4.3	83
48	Atomic Layer Deposition Al₂O₃ Coatings Significantly Improve Thermal, Chemical, and Mechanical Stability of Anodic TiO₂ Nanotube Layers. Langmuir, 2017, 33, 3208-3216.	3.5	44
49	Ideally Hexagonally Ordered TiO₂ Nanotube Arrays. ChemistryOpen, 2017, 6, 480-483.	1.9	10
50	Influence of annealing temperatures on the properties of low aspect-ratio TiO2 nanotube layers. Electrochimica Acta, 2016, 213, 452-459.	5.2	79
51	Atomic Layer Deposition for Coating of High Aspect Ratio TiO₂ Nanotube Layers. Langmuir, 2016, 32, 10551-10558.	3.5	74
52	Resistive switching phenomena in TiOx nanoparticle layers for memory applications. Applied Physics Letters, 2014, 105, 143506.	3.3	11
53	HfO2 based memory devices with rectifying capabilities. Journal of Applied Physics, 2014, 115, 024501.	2.5	12
54	Resistive switching dependence on atomic layer deposition parameters in HfO₂-based memory devices. Journal of Materials Chemistry C, 2014, 2, 3204-3211.	5.5	52

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55	Resistive switching in rectifying interfaces of metal-semiconductor-metal structures. Applied Physics Letters, 2013, 103, .	3.3	15
56	A Lightâ€Controlled Resistive Switching Memory. Advanced Materials, 2012, 24, 2496-2500.	21.0	138
57	Electrochemical detection of dopamine using arrays of liquidâ€“liquid micro-interfaces created within micromachined silicon membranes. Analytica Chimica Acta, 2008, 611, 156-162.	5.4	50
58	Ion-transfer voltammetry at silicon membrane-based arrays of micro-liquidâ€“liquid interfaces. Lab on A Chip, 2007, 7, 1732.	6.0	70