

Mohammed Es-Souni

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9423801/mohammed-es-souni-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

1,238
citations

16
h-index

34
g-index

53
ext. papers

1,365
ext. citations

6.1
avg, IF

4.58
L-index

#	Paper	IF	Citations
51	Non-fouling polymer films on hard-anodized aluminum substrates: Nanomechanical properties and modelling. <i>Progress in Organic Coatings</i> , 2021 , 161, 106553	4.8	
50	Supported Binary and Ternary Nanoalloy Nanoparticle Catalysts-A Green Processing Approach using the Leidenfrost layer as Nanoreactor. <i>Nano Express</i> , 2021 , 2, 020013	2	
49	A TiN@Au-NR Plasmonic Structure with Tunable Surface Plasmon Resonance Depending on TiN to Au Thickness Ratio. <i>Plasmonics</i> , 2021 , 16, 49-57	2.4	
48	Nanomechanical characterization and modeling of anodized porous aluminum oxide thin films with photografted anti-biofouling polymer brushes on their pore walls. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 2139-2151	3.3	5
47	Photodeposition of Au Nanoclusters for Enhanced Photocatalytic Dye Degradation over TiO Thin Film. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14983-14992	9.5	32
46	Finite element analysis and EMA predictions of the dielectric and pyroelectric properties of 0-3 Pz59/PVDF-TrFE composites with experimental validation. <i>Sensors and Actuators A: Physical</i> , 2020 , 310, 112073	3.9	6
45	Data supporting polymerization of anti-fouling polymer brushes polymerized on the pore walls of porous aluminium and titanium oxides. <i>Data in Brief</i> , 2019 , 23, 103702	1.2	3
44	A non-fouling multilayer structure based on LAPONITE [®] /PEG-Brushes showing high stiffness and hardness. <i>Progress in Organic Coatings</i> , 2019 , 132, 108-115	4.8	2
43	Porous PtPd alloy nanotubes: towards high performance electrocatalysts with low Pt-loading. <i>Catalysis Science and Technology</i> , 2019 , 9, 4355-4364	5.5	7
42	Processing of nanotubes on NiTi-shape memory alloys and their modification with photografted anti-adhesive polymer brushes. Towards smart implant surfaces. <i>Materials and Design</i> , 2019 , 182, 108031	8.1	5
41	Dielectric and pyroelectric properties of thick and thin film relaxor-ceramic/PVDF-TrFE composites. <i>Functional Composites and Structures</i> , 2019 , 1, 035005	3.5	4
40	Large Area Thick Films of PVDF-TrFE and Relaxor-Ceramics for Piezo- and Pyroelectric Applications. <i>Macromolecular Materials and Engineering</i> , 2019 , 304, 1900538	3.9	4
39	Scratch resistant non-fouling surfaces via grafting non-fouling polymers on the pore walls of supported porous oxide structures. <i>Materials and Design</i> , 2019 , 163, 107542	8.1	8
38	Noble metal NPs and nanoalloys by sonochemistry directly processed on nanocarbon and TiN substrates from aqueous solutions. <i>Ultrasonics Sonochemistry</i> , 2019 , 51, 138-144	8.9	1
37	In situ processing of fluorinated carbon-lithium fluoride nanocomposites. <i>Materials and Design</i> , 2018 , 158, 106-112	8.1	5
36	Thin film nanocarbon composites for supercapacitor applications. <i>Carbon</i> , 2017 , 115, 449-459	10.4	9
35	Nanocomposite Films of Laponite/PEG-Grafted Polymers and Polymer Brushes with Nonfouling Properties. <i>Langmuir</i> , 2017 , 33, 6739-6750	4	16

34	Nanostructured ZnO-TiO thin film oxide as anode material in electrooxidation of organic pollutants. Application to the removal of dye Amido black 10B from water. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 1442-1449	5.1	12
33	Understanding and Shaping the Morphology of the Barrier Layer of Supported Porous Anodized Alumina on Gold Underlayers. <i>Langmuir</i> , 2016 , 32, 6985-90	4	4
32	On-substrate fabrication of porous Al ₂ O ₃ templates with tunable pore diameters and interpore distances. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	3
31	Supported porous carbon and carbon-NT nanocomposites for supercapacitor applications. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	17
30	Modified nanocarbon surfaces for high performance supercapacitor and electrocatalysis applications. <i>Chemical Communications</i> , 2015 , 51, 13650-3	5.8	5
29	Sequence of structural transitions in BiFeO ₃ /MnO ₃ thin films (R=Rare earth). <i>Ceramics International</i> , 2015 , 41, 5721-5726	5.1	8
28	Nanoscale phase separation in laponite/polypyrrole nanocomposites. Application to electrodes for energy storage. <i>RSC Advances</i> , 2015 , 5, 21550-21557	3.7	12
27	In situ ZnO/BVA nanocomposite coated microfluidic chips for biosensing. <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 115, 645-649	2.6	14
26	Novel approach to the processing of meso-macroporous thin films of graphite and in situ graphite/noble metal nanocomposites. <i>RSC Advances</i> , 2014 , 4, 17748-17752	3.7	9
25	The influence of processing conditions on the morphology and thermochromic properties of vanadium oxide films. <i>Thin Solid Films</i> , 2014 , 556, 277-284	2.2	12
24	Ordered Nanomaterial Thin Films via Supported Anodized Alumina Templates. <i>Frontiers in Materials</i> , 2014 , 1,	4	14
23	Au-NR/VO ₂ -NP nanocomposites supported on glass substrates: microstructure and optical properties. <i>CrystEngComm</i> , 2014 , 16, 3068-3071	3.3	2
22	Morphology and property control of NiO nanostructures for supercapacitor applications. <i>Nanoscale Research Letters</i> , 2013 , 8, 363	5	84
21	Macro-meso-porous TiO ₂ , ZnO and ZnO/TiO ₂ -composite thick films. Properties and application to photocatalysis. <i>Catalysis Science and Technology</i> , 2012 , 2, 379-385	5.5	45
20	A template-free synthesis and structural characterization of hierarchically nano-structured lithium-titanium-oxide films. <i>Journal of Materials Chemistry</i> , 2012 , 22, 6632		6
19	Morphology control of 1D noble metal nano/heterostructures towards multi-functionality. <i>Journal of Materials Chemistry</i> , 2012 , 22, 8671		16
18	Advanced Piezoelectrics: Materials, Devices, and Their Applications. <i>Smart Materials Research</i> , 2012 , 2012, 1-2		1
17	Self-standing corrugated Ag and Au-nanorods for plasmonic applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6269		15

16	A versatile approach to processing of high active area pillar coral- and sponge-like Pt-nanostructures. Application to electrocatalysis. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4182		20
15	On-substrate, self-standing Au-nanorod arrays showing morphology controlled properties. <i>Nano Today</i> , 2011 , 6, 12-19	17.9	53
14	On-substrate, self-standing hollow-wall Pt and PtRu-nanotubes and their electrocatalytic behavior. <i>Chemical Communications</i> , 2011 , 47, 6284-6	5.8	23
13	A universal, template-free approach to porous oxide and polymer film processing. <i>RSC Advances</i> , 2011 , 1, 579	3.7	9
12	Synthesis of silver nano-fir-twigs and application to single molecules detection. <i>Journal of Materials Chemistry</i> , 2010 , 20, 5215		27
11	Brookite Formation in TiO ₂ /Ag Nanocomposites and Visible-Light-Induced Templated Growth of Ag Nanostructures in TiO ₂ . <i>Advanced Functional Materials</i> , 2010 , 20, 377-385	15.6	58
10	Substrate heterostructure effects on interface composition, microstructure development and functional properties of PZT thin films. <i>Acta Materialia</i> , 2009 , 57, 2328-2338	8.4	21
9	Correlation between structure, dielectric, and ferroelectric properties in BiFeO ₃ /BaMnO ₃ solid solution thin films. <i>Journal of Applied Physics</i> , 2009 , 105, 014111	2.5	44
8	Versatile Nanocomposite Coatings with Tunable Cell Adhesion and Bactericidity. <i>Advanced Functional Materials</i> , 2008 , 18, 3179-3188	15.6	43
7	Structural and functional properties of screen-printed PZT/PVDF-TrFE composites. <i>Sensors and Actuators A: Physical</i> , 2008 , 143, 329-334	3.9	106
6	Human gingival fibroblast response to electropolished NiTi surfaces. <i>Journal of Biomedical Materials Research - Part A</i> , 2007 , 80, 159-66	5.4	8
5	Assessing the biocompatibility of NiTi shape memory alloys used for medical applications. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 381, 557-67	4.4	252
4	On the in vitro biocompatibility of Elgiloy, a Co-based alloy, compared to two titanium alloys. <i>Journal of Orofacial Orthopedics</i> , 2003 , 64, 16-26	2.9	14
3	On the interaction of polyacrylic acid as a conditioning agent with bovine enamel. <i>Biomaterials</i> , 2002 , 23, 2871-8	15.6	15
2	On the properties of two binary NiTi shape memory alloys. Effects of surface finish on the corrosion behaviour and in vitro biocompatibility. <i>Biomaterials</i> , 2002 , 23, 2887-94	15.6	91
1	On the transformation behaviour, mechanical properties and biocompatibility of two NiTi-based shape memory alloys: NiTi ₄₂ and NiTi ₄₂ Cu ₇ . <i>Biomaterials</i> , 2001 , 22, 2153-61	15.6	68