Spyridon Kassavetis

List of Publications by Year
in descending order

53	1,822	394421	265206
papers	citations	19 h-index	42 g-index

55	55	55	2772
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optical Properties and Plasmonic Performance of Titanium Nitride. Materials, 2015, 8, 3128-3154.	2.9	280
2	Evidence for graphite-like hexagonal AlN nanosheets epitaxially grown on single crystal Ag(111). Applied Physics Letters, 2013, 103, .	3.3	251
3	Plasmonic silver nanoparticles for improved organic solar cells. Solar Energy Materials and Solar Cells, 2012, 104, 165-174.	6.2	195
4	Conductive nitrides: Growth principles, optical and electronic properties, and their perspectives in photonics and plasmonics. Materials Science and Engineering Reports, 2018, 123, 1-55.	31.8	180
5	Optical and structural properties of ZnO for transparent electronics. Thin Solid Films, 2008, 516, 1345-1349.	1.8	74
6	Nanoindentation studies of multilayer amorphous carbon films. Carbon, 2004, 42, 1133-1136.	10.3	61
7	Thermal annealing effect on the nanomechanical properties and structure of P3HT:PCBM thin films. Thin Solid Films, 2011, 519, 4105-4109.	1.8	57
8	Optical and nanomechanical study of anti-scratch layers on polycarbonate lenses. Superlattices and Microstructures, 2004, 36, 171-179.	3.1	51
9	Effect of process parameters on the morphology and nanostructure of roll-to-roll printed P3HT:PCBM thin films for organic photovoltaics. Solar Energy Materials and Solar Cells, 2013, 112, 36-46.	6.2	51
10	Oxygen-plasma-modified biomimetic nanofibrous scaffolds for enhanced compatibility of cardiovascular implants. Beilstein Journal of Nanotechnology, 2015, 6, 254-262.	2.8	49
11	Infrared Plasmonics with Conductive Ternary Nitrides. ACS Applied Materials & Interfaces, 2017, 9, 10825-10834.	8.0	42
12	Nanoscale patterning and deformation of soft matter by scanning probe microscopy. Materials Science and Engineering C, 2007, 27, 1456-1460.	7.3	37
13	Observation of Surface Dirac Cone in High-Quality Ultrathin Epitaxial Bi₂Se₃ Topological Insulator on AlN(0001) Dielectric. ACS Nano, 2014, 8, 6614-6619.	14.6	37
14	Dispersion relations and optical properties of amorphous carbons. Diamond and Related Materials, 2007, 16, 1813-1822.	3.9	35
15	Surface modification of poly(ethylene terephthalate) polymeric films for flexible electronics applications. Thin Solid Films, 2008, 516, 1443-1448.	1.8	35
16	Plasmonic spectral tunability of conductive ternary nitrides. Applied Physics Letters, 2016, 108, .	3.3	34
17	Chemical environment and functional properties of highly crystalline ZnSnN2 thin films deposited by reactive sputtering at room temperature. Solar Energy Materials and Solar Cells, 2018, 182, 30-36.	6.2	34
18	Nanomedicine for the reduction of the thrombogenicity of stent coatings. International Journal of Nanomedicine, 2010, 5, 239.	6.7	29

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19	Optical properties of Ti x Al 1â^'x N thin films in the whole compositional range. Surface and Coatings Technology, 2016, 295, 125-129.	4.8	20
20	Comparison of the nanomechanical and nanoscratch performance of antiscratch layers on organic lenses. Surface and Coatings Technology, 2004, 180-181, 357-361.	4.8	19
21	Deposition and characterization of PEDOT/ZnO layers onto PET substrates. Thin Solid Films, 2009, 517, 6409-6413.	1.8	19
22	Growth mechanisms and thickness effect on the properties of Alâ€doped ZnO thin films grown on polymeric substrates. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 1581-1585.	1.8	19
23	Photoluminescence enhancement of ZnO via coupling with surface plasmons on Al thin films. Journal of Applied Physics, 2017, 121, .	2.5	17
24	Optical properties of nanostructured Al-rich Al1â^'xTixN films. Surface and Coatings Technology, 2014, 257, 63-69.	4.8	15
25	Durable TiN/TiNx metallic contacts for solar cells. Thin Solid Films, 2006, 511-512, 453-456.	1.8	14
26	Optical and electronic properties of conductive ternary nitrides with rare- or alkaline-earth elements. Journal of Applied Physics, 2016, 120, .	2.5	14
27	Formation of plasmonic colloidal silver for flexible and printed electronics using laser ablation. Applied Surface Science, 2015, 336, 262-266.	6.1	13
28	Self-assembled plasmonic templates produced by microwave annealing: applications to surface-enhanced Raman scattering. Nanotechnology, 2015, 26, 205603.	2.6	13
29	Electronic properties of binary and ternary, hard and refractory transition metal nitrides. Surface and Coatings Technology, 2010, 204, 2038-2041.	4.8	12
30	In situ and real-time optical investigation of nitrogen plasma treatment of polycarbonate. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 460-465.	1.4	11
31	Nanocarbon materials for nanocomposite cement mortars. Materials Today: Proceedings, 2017, 4, 6938-6947.	1.8	11
32	Surface and temperature effect on fibrinogen adsorption to amorphous hydrogenated carbon thin films. Diamond and Related Materials, 2007, 16, 1868-1874.	3.9	10
33	Near-Zero Negative Real Permittivity in Far Ultraviolet: Extending Plasmonics and Photonics with B1-MoN_x. Journal of Physical Chemistry C, 2019, 123, 21120-21129.	3.1	10
34	The Effect of Roughness on Nanoindentation Results. Nanoscience and Nanotechnology Letters, 2013, 5, 480-483.	0.4	9
35	Near-surface mechanical properties and surface morphology of hydrogenated amorphous carbon thin films. Surface and Coatings Technology, 2006, 200, 6400-6404.	4.8	7
36	Theoretical Considerations and a Mathematical Model for the Analysis of the Biomechanical Response of Human Keratinized Oral Mucosa. Frontiers in Physiology, 2016, 7, 364.	2.8	7

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37	Ti and nitride surface modification of copper by pack cementation. Surface Engineering, 2018, 34, 243-250.	2.2	7
38	Effect of ion bombardment and hydrogen pressure during deposition on the optical properties of hydrogenated amorphous carbon thin films. Diamond and Related Materials, 2011, 20, 109-114.	3.9	6
39	The WebLabs of the University of Cambridge: A study of securing remote instrumentation. , 2012, , .		6
40	Multiscale in modelling and validation for solar photovoltaics. EPJ Photovoltaics, 2018, 9, 10.	1.6	6
41	Nanomechanical Testing of the Barrier Thin Film Adhesion to a Flexible Polymer Substrate. Journal of Adhesion Science and Technology, 2012, 26, 2393-2404.	2.6	5
42	Enhanced Performance of LiAl0.1Mn1.9O4 Cathode for Li-Ion Battery via TiN Coating. Energies, 2021, 14, 825.	3.1	5
43	Techniques for recording selfâ€healing efficiency and characterizing the healing products in cementitious materials. Material Design and Processing Communications, 2021, 3, e166.	0.9	4
44	Optical investigations of the effect of temperature and plasma conditions on the growth of sp3-bonded BN thin films. Surface and Coatings Technology, 2006, 200, 6449-6453.	4.8	2
45	Structural factors determining the nanomechanical performance of transition metal nitride films. Materials Research Society Symposia Proceedings, 2004, 843, 781.	0.1	1
46	Nanomechanical and Nanotribological Properties of Silicon Oxide Thin Films on Polymeric Membranes. Journal of the Mechanical Behavior of Materials, 2007, 18, 157-166.	1.8	1
47	Thin Film Deposition and Nanoscale Characterisation Techniques. Nanoscience and Technology, 2012, , 105-129.	1.5	1
48	Biofunctionalized curcumin-loaded nanoid polymeric scaffold for skin care treatment. Materials Today: Proceedings, 2019, 19, 117-125.	1.8	1
49	Optical and emission properties of terpolymer active materials for white OLEDs (WOLEDs). Materials Today: Proceedings, 2021, 37, A46-A53.	1.8	1
50	Surface characteristics and tribology study of metal oxide thin films. Tribology - Materials, Surfaces and Interfaces, 2008, 2, 225-231.	1.4	0
51	Simple method for coating Si (100) surfaces with ferritin monolayersâ€"Iron oxide quantum dots. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 500-503.	3.5	0
52	Etchless Fabrication of Highâ€Quality Refractory Titanium Nitride Nanostructures. Physica Status Solidi (B): Basic Research, 2021, 258, 2000573.	1.5	0
53	Etchless Fabrication of Highâ€Quality Refractory Titanium Nitride Nanostructures. Physica Status Solidi (B): Basic Research, 2021, 258, 2170033.	1.5	0