

Wolfgang Ensinger

List of Publications by Year in Descending Order

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

425
papers

8,817
citations

44
h-index

75
g-index

445
ext. papers

9,509
ext. citations

4
avg, IF

6.15
L-index

#	Paper	IF	Citations
4 ²⁵	Synergetic effect of adsorption-photocatalysis by GO@FeO ₂ nanocomposites for photodegradation of doxorubicin. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107078	6.8	1
4 ²⁴	Towards Recycling of LLZO Solid Electrolyte Exemplarily Performed on LFP/LLZO/LTO Cells.. <i>ChemistryOpen</i> , 2022 , e202100274	2.3	1
4 ²³	Fluoride-Induced Negative Differential Resistance in Nanopores: Experimental and Theoretical Characterization. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 54447-54455	9.5	0
4 ²²	Osmotic Energy Harvesting with Soft-Etched Nanoporous Polyimide Membranes. <i>Materials Today Energy</i> , 2021 , 23, 100909	7	0
4 ²¹	Selective detection of preferential activity of Lanthanum ion at zinc oxide functionalized nanochannel. <i>Nanotechnology</i> , 2021 ,	3.4	3
4 ²⁰	Anions effect on ion transport properties of polyelectrolyte modified single conical nanopores. <i>Chemical Physics Letters</i> , 2021 , 767, 138349	2.5	3
4 ¹⁹	A simple and effective method for the accurate extraction of kinetic parameters using differential Tafel plots. <i>Scientific Reports</i> , 2021 , 11, 8974	4.9	7
4 ¹⁸	Negative differential resistance and threshold-switching in conical nanopores with KF solutions. <i>Applied Physics Letters</i> , 2021 , 118, 181903	3.4	3
4 ¹⁷	3D NiCo-Layered double Hydroxide@Ni nanotube networks as integrated free-standing electrodes for nonenzymatic glucose sensing. <i>Journal of Colloid and Interface Science</i> , 2021 , 591, 384-395	9.3	11
4 ¹⁶	Ultrasensitive and Selective Protein Recognition with Nanobody-Functionalized Synthetic Nanopores. <i>Small</i> , 2021 , 17, e2101066	11	3
4 ¹⁵	Fabrication of soft-etched nanoporous polyimide membranes for ionic conduction and discrimination. <i>Journal of Membrane Science</i> , 2021 , 617, 118633	9.6	8
4 ¹⁴	Effect of cationic polyamidoamine dendrimers on ionic transport through nanochannels. <i>Electrochimica Acta</i> , 2021 , 367, 137263	6.7	3
4 ¹³	Development of a nanoscale electroless plating procedure for bismuth and its application in template-assisted nanotube fabrication.. <i>RSC Advances</i> , 2021 , 11, 8636-8642	3.7	3
4 ¹²	Nanomechanical characterisation of a water-repelling terpolymer coating of cellulosic fibres. <i>Cellulose</i> , 2021 , 28, 2149-2165	5.5	2
4 ¹¹	Size-Based Cationic Molecular Sieving through Solid-State Nanochannels. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001766	4.6	4
4 ¹⁰	Ionic conduction through single-pore and multipore polymer membranes in aprotic organic electrolytes. <i>Journal of Membrane Science</i> , 2021 , 635, 119505	9.6	5
4 ⁰⁹	Impact of Surface Charge Directionality on Membrane Potential in Multi-ionic Systems. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 2530-2534	6.4	2

408	Ultrasensitive and Selective Copper(II) Detection: Introducing a Bioinspired and Robust Sensor. <i>Chemistry - A European Journal</i> , 2020 , 26, 8511-8517	4.8	10
407	Zinc ion driven ionic conduction through single asymmetric nanochannels functionalized with nanocomposites. <i>Electrochimica Acta</i> , 2020 , 337, 135810	6.7	17
406	Phosphoprotein Detection with a Single Nanofluidic Diode Decorated with Zinc Chelates. <i>ChemPlusChem</i> , 2020 , 85, 587-594	2.8	8
405	Preparation of Aniline-Based Nitrogen-Containing Diamond-Like Carbon Films with Low Electrical Resistivity. <i>Coatings</i> , 2020 , 10, 54	2.9	5
404	Deposition of diamond-like carbon films on insulating substrates by plasma source ion implantation. <i>Surface and Coatings Technology</i> , 2020 , 385, 125426	4.4	2
403	The Influence of Preparation Conditions on the Structural Properties and Hardness of Diamond-Like Carbon Films, Prepared by Plasma Source Ion Implantation. <i>Coatings</i> , 2020 , 10, 360	2.9	8
402	Electroless Nanoplatin of PdPt Alloy Nanotube Networks: Catalysts with Full Compositional Control for the Methanol Oxidation Reaction. <i>ChemElectroChem</i> , 2020 , 7, 855-864	4.3	8
401	Transmission Electron Microscopy Analysis of Thermally Decaying Polycrystalline Platinum Nanowires. <i>ACS Nano</i> , 2020 , 14, 11309-11318	16.7	1
400	Highly Efficient Permeation and Separation of Gases with Metal-Organic Frameworks Confined in Polymeric Nanochannels. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 49992-50001	9.5	27
399	Diamond-Like Carbon Films with Low Internal Stress by a Simple Bilayer Approach. <i>Coatings</i> , 2020 , 10, 696	2.9	2
398	Electroless Nanoplatin of Iridium: Template-Assisted Nanotube Deposition for the Continuous Flow Reduction of 4-Nitrophenol. <i>ChemElectroChem</i> , 2020 , 7, 3496-3507	4.3	4
397	Synthesis of Sr- and Ba titanate particles coated on Al ₂ O ₃ substrates forming a core-shell structure. <i>International Journal of Applied Ceramic Technology</i> , 2020 , 17, 1790-1801	2	
396	Surface charge regulation of functionalized conical nanopore conductance by divalent cations and anions. <i>Electrochimica Acta</i> , 2019 , 325, 134914	6.7	4
395	Ionic transport characteristics of negatively and positively charged conical nanopores in 1:1, 2:1, 3:1, 2:2, 1:2, and 1:3 electrolytes. <i>Journal of Colloid and Interface Science</i> , 2019 , 553, 639-646	9.3	13
394	Surface Structuring of Diamond-Like Carbon Films by Chemical Etching of Zinc Inclusions. <i>Coatings</i> , 2019 , 9, 125	2.9	5
393	Automated measuring of mass transport through synthetic nanochannels functionalized with polyelectrolyte porous networks. <i>Journal of Membrane Science</i> , 2019 , 591, 117344	9.6	2
392	Electrical and thermal conductivities of polycrystalline platinum nanowires. <i>Nanotechnology</i> , 2019 , 30, 455706	3.4	3
391	Modulation of current-time traces by two-pore arrangements of polyimide nanofluidic diodes. <i>Applied Physics Letters</i> , 2019 , 115, 183701	3.4	1

390	Shape-Selective Electroless Plating within Expanding Template Pores: Etching-Assisted Deposition of Spiky Nickel Nanotube Networks. <i>Langmuir</i> , 2019 , 35, 4246-4253	4	9
389	Electrical transport properties of Ni-doped diamond-like carbon films at and above room temperature. <i>Journal of Applied Physics</i> , 2019 , 126, 154104	2.5	4
388	Ionic circuitry with nanofluidic diodes. <i>Soft Matter</i> , 2019 , 15, 9682-9689	3.6	13
387	Membrane potential of single asymmetric nanopores: Divalent cations and salt mixtures. <i>Journal of Membrane Science</i> , 2019 , 573, 579-587	9.6	15
386	Ion beam sputter coating in combination with sol-gel dip coating of Al alloy tube inner walls for corrosion and biological protection. <i>Surface and Coatings Technology</i> , 2018 , 340, 121-125	4.4	8
385	Electroless Synthesis of Highly Stable and Free-Standing Porous Pt Nanotube Networks and their Application in Methanol Oxidation. <i>ChemElectroChem</i> , 2018 , 5, 1087-1097	4.3	12
384	Concatenated logic functions using nanofluidic diodes with all-electrical inputs and outputs. <i>Electrochemistry Communications</i> , 2018 , 88, 52-56	5.1	6
383	MA-XRF investigation of the Altenberg Retable from 1330. <i>X-Ray Spectrometry</i> , 2018 , 47, 215-222	0.9	2
382	Properties of iodine containing diamond-like carbon films prepared by plasma source ion implantation. <i>Diamond and Related Materials</i> , 2018 , 81, 108-112	3.5	
381	Preparation of iodine containing diamond-like carbon films by trifluoroiodomethane. <i>Materials Letters</i> , 2018 , 215, 68-70	3.3	2
380	Optimizing Energy Transduction of Fluctuating Signals with Nanofluidic Diodes and Load Capacitors. <i>Small</i> , 2018 , 14, e1702252	11	10
379	Nanopore charge inversion and current-voltage curves in mixtures of asymmetric electrolytes. <i>Journal of Membrane Science</i> , 2018 , 563, 633-642	9.6	27
378	Synthesis of bismuth telluride nanotubes and their simulated thermal properties. <i>Superlattices and Microstructures</i> , 2018 , 122, 587-595	2.8	6
377	Potassium-induced ionic conduction through a single nanofluidic pore modified with acyclic polyether derivative. <i>Analytica Chimica Acta</i> , 2018 , 1039, 132-139	6.6	11
376	Lithium Ion Recognition with Nanofluidic Diodes through Host-Guest Complexation in Confined Geometries. <i>Analytical Chemistry</i> , 2018 , 90, 6820-6826	7.8	42
375	Flux-closure domains in high aspect ratio electroless-deposited CoNiB nanotubes 2018 , 5,		13
374	Tightly adhering diamond-like carbon films on copper substrates by oxygen pre-implantation. <i>Surface and Coatings Technology</i> , 2018 , 335, 134-139	4.4	6
373	Mass spectrometric comparison of swift heavy ion-induced and anaerobic thermal degradation of polymers. <i>Radiation Physics and Chemistry</i> , 2018 , 144, 21-28	2.5	6

372	Preparation of anatase films from titanium containing diamond-like carbon films. <i>Materials Letters</i> , 2018 , 213, 148-150	3.3	1
371	Reprint of "Ion beam sputter coating in combination with sol-gel dip coating of Al alloy tube inner walls for corrosion and biological protection". <i>Surface and Coatings Technology</i> , 2018 , 355, 264-268	4.4	0
370	Dielectric constant, AC conductivity and impedance spectroscopy of zinc-containing diamond-like carbon film UV photodetector. <i>Journal of Alloys and Compounds</i> , 2018 , 758, 194-205	5.7	18
369	Electrocatalytic applications of platinum-decorated TiO ₂ nanotubes prepared by a fully wet-chemical synthesis. <i>Journal of Materials Science</i> , 2017 , 52, 7754-7767	4.3	11
368	Label-free histamine detection with nanofluidic diodes through metal ion displacement mechanism. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 150, 201-208	6	30
367	Free-Standing Networks of Core-Shell Metal and Metal Oxide Nanotubes for Glucose Sensing. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 771-781	9.5	31
366	Note: Sample holder with open area for increased deposition rate in plasma immersion ion implantation and deposition. <i>Review of Scientific Instruments</i> , 2017 , 88, 096106	1.7	4
365	Preparation of Metal-Containing Diamond-Like Carbon Films by Magnetron Sputtering and Plasma Source Ion Implantation and Their Properties. <i>Advances in Materials Science and Engineering</i> , 2017 , 2017, 1-8	1.5	11
364	Tetraalkylammonium Cations Conduction through a Single Nanofluidic Diode: Experimental and Theoretical Studies. <i>Electrochimica Acta</i> , 2017 , 250, 302-308	6.7	6
363	Cesium-Induced Ionic Conduction through a Single Nanofluidic Pore Modified with Calixcrown Moieties. <i>Langmuir</i> , 2017 , 33, 9170-9177	4	23
362	Template-Free Electroless Plating of Gold Nanowires: Direct Surface Functionalization with Shape-Selective Nanostructures for Electrochemical Applications. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 31142-31152	9.5	20
361	Hybrid Circuits with Nanofluidic Diodes and Load Capacitors. <i>Physical Review Applied</i> , 2017 , 7,	4.3	17
360	Carbon nanocasting in ion-track etched polycarbonate membranes. <i>Materials Letters</i> , 2017 , 187, 56-59	3.3	7
359	A redox-sensitive nanofluidic diode based on nicotinamide-modified asymmetric nanopores. <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 895-902	8.5	15
358	Nanoparticles as a Metal Source in Plasma Processes. <i>Transactions of the Materials Research Society of Japan</i> , 2017 , 42, 31-36	0.2	
357	Properties of Zinc-containing Diamond-like Carbon Films Prepared by Plasma Source Ion Implantation. <i>Transactions of the Materials Research Society of Japan</i> , 2017 , 42, 37-40	0.2	3
356	Template-based synthesis of metallic Pd nanotubes by electroless deposition and their use as catalysts in the 4-nitrophenol model reaction. <i>Green Chemistry</i> , 2016 , 18, 558-564	10	25
355	Stereoselective detection of amino acids with protein-modified single asymmetric nanopores. <i>Electrochimica Acta</i> , 2016 , 215, 231-237	6.7	30

354	Templated synthesis of pure and bimetallic gold/platinum nanotubes using complementary seeding and plating reactions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 508, 197-204	5.1	12
353	NiCo nanotubes plated on Pd seeds as a designed magnetically recollectable catalyst with high noble metal utilisation. <i>RSC Advances</i> , 2016 , 6, 70033-70039	3.7	22
352	Voltage-controlled current loops with nanofluidic diodes electrically coupled to solid state capacitors. <i>RSC Advances</i> , 2016 , 6, 54742-54746	3.7	11
351	Fluoride-induced modulation of ionic transport in asymmetric nanopores functionalized with "caged" fluorescein moieties. <i>Nanoscale</i> , 2016 , 8, 8583-90	7.7	14
350	Electroless decoration of macroscale foam with nickel nano-spikes: A scalable route toward efficient catalyst electrodes. <i>Electrochemistry Communications</i> , 2016 , 65, 39-43	5.1	20
349	Preparation of anatase surface layers via carbon implantation into titanium. <i>Materials Letters</i> , 2016 , 168, 196-199	3.3	2
348	Designing voltage multipliers with nanofluidic diodes immersed in aqueous salt solutions. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 3995-9	3.6	9
347	Use of a nanostructured surface coating to achieve higher sputter rates. <i>Materials Letters</i> , 2016 , 164, 532-534	3.3	3
346	Electrical network of nanofluidic diodes in electrolyte solutions: Connectivity and coupling to electronic elements. <i>Electrochemistry Communications</i> , 2016 , 62, 29-33	5.1	5
345	Label-Free Pyrophosphate Recognition with Functionalized Asymmetric Nanopores. <i>Small</i> , 2016 , 12, 2014-21	11	40
344	Multipore membranes with nanofluidic diodes allowing multifunctional rectification and logical responses. <i>Applied Physics Letters</i> , 2016 , 108, 253701	3.4	13
343	Electroless synthesis of cellulose-metal aerogel composites. <i>Applied Physics Letters</i> , 2016 , 108, 213108	3.4	15
342	Complete coating of metal rings by ion beam sputtering of a W-shaped concave target with a broad-beam ion source. <i>Surface and Coatings Technology</i> , 2016 , 294, 62-66	4.4	1
341	Electrodeposition and electroless plating of hierarchical metal superstructures composed of 1D nano- and microscale building blocks. <i>Electrochimica Acta</i> , 2016 , 202, 47-54	6.7	23
340	Long-term thermal stability of Si-containing diamond-like carbon films prepared by plasma source ion implantation. <i>Surface and Coatings Technology</i> , 2016 , 305, 93-98	4.4	16
339	Chemical and physical properties in layers and interfaces of nanolayered Si(100)/Ni/BCxNy stacks. <i>X-Ray Spectrometry</i> , 2015 , 44, 48-53	0.9	1
338	Modification of diamond-like carbon films by nitrogen incorporation via plasma immersion ion implantation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015 , 365, 357-361	1.2	14
337	Energy conversion from external fluctuating signals based on asymmetric nanopores. <i>Nano Energy</i> , 2015 , 16, 375-382	17.1	27

336	Nano- and microstructured silver films synthesised by halide-assisted electroless plating. <i>New Journal of Chemistry</i> , 2015 , 39, 6803-6812	3.6	15
335	Radiation damage studies of soft magnetic metallic glasses irradiated with high-energy heavy ions. <i>Radiation Effects and Defects in Solids</i> , 2015 , 170, 1-6	0.9	6
334	Decomposition and CO ₂ evolution of an aliphatic polymer under bombardment with high energy heavy ions. <i>Polymer Degradation and Stability</i> , 2015 , 119, 132-138	4.7	0
333	Facile wet-chemical synthesis of differently shaped cuprous oxide particles and a thin film: Effect of catalyst morphology on the glucose sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2015 , 214, 189-196	8.5	13
332	Superconducting Proximity Effect in Crystalline Co and Cu Nanowires. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015 , 28, 431-436	1.5	5
331	Developing Sensors Based on TiO ₂ Nanotubes to Detect Explosives. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2015 , 113-128	0.1	
330	Patterned arrays of capped platinum nanowires with quasi-elastic mechanical response to lateral force. <i>Applied Physics Letters</i> , 2015 , 106, 053109	3.4	
329	Converting external potential fluctuations into nonzero time-average electric currents using a single nanopore. <i>Applied Physics Letters</i> , 2015 , 106, 073701	3.4	9
328	High-temperature scintillation of alumina under 32 MeV 63 Cu 5+ heavy-ion irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015 , 359, 161-166	1.2	4
327	Double-Walled AgPt Nanotubes Fabricated by Galvanic Replacement and Dealloying: Effect of Composition on the Methanol Oxidation Activity. <i>Nano</i> , 2015 , 10, 1550085	1.1	12
326	Experimental simulation of radiation damage of polymers in space applications by cosmic-ray-type high energy heavy ions and the resulting changes in optical properties. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015 , 365, 230-234	1.2	14
325	Ionic Transport through Chemically Functionalized Hydrogen Peroxide-Sensitive Asymmetric Nanopores. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19541-5	9.5	39
324	Charging a capacitor from an external fluctuating potential using a single conical nanopore. <i>Scientific Reports</i> , 2015 , 5, 9501	4.9	15
323	Self-Supporting Metal Nanotube Networks Obtained by Highly Conformal Electroless Plating. <i>ChemPlusChem</i> , 2015 , 80, 1448-1456	2.8	15
322	Transport properties of track-etched membranes having variable effective pore-lengths. <i>Nanotechnology</i> , 2015 , 26, 485502	3.4	22
321	Thermal annealing behavior of Al ₂ O ₃ scintillation screens. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015 , 365, 548-552	1.2	3
320	Electroless plating of ultrathin palladium films: self-initiated deposition and application in microreactor fabrication. <i>Materials Research Express</i> , 2015 , 2, 105010	1.7	15
319	Response from inorganic scintillation screens induced by high energetic ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015 , 365, 533-539	1.2	

318	Bioconjugation-induced ionic current rectification in aptamer-modified single cylindrical nanopores. <i>Chemical Communications</i> , 2015 , 51, 3454-7	5.8	66
317	Nanoparticle-induced rectification in a single cylindrical nanopore: Net currents from zero time-average potentials. <i>Applied Physics Letters</i> , 2014 , 104, 043703	3.4	14
316	Improved adhesion of DLC films on copper substrates by preimplantation. <i>Surface and Coatings Technology</i> , 2014 , 256, 37-40	4.4	10
315	Surface modification and corrosion properties of implanted and DLC coated stainless steel by plasma based ion implantation and deposition. <i>Surface and Coatings Technology</i> , 2014 , 256, 23-29	4.4	38
314	Platinum nanowires with pronounced texture, controlled crystallite size and excellent growth homogeneity fabricated by optimized pulsed electrodeposition. <i>RSC Advances</i> , 2014 , 4, 4804	3.7	10
313	Long-range superconducting proximity effect in polycrystalline Co nanowires. <i>Applied Physics Letters</i> , 2014 , 104, 052603	3.4	30
312	Current rectification by nanoparticle blocking in single cylindrical nanopores. <i>Nanoscale</i> , 2014 , 6, 10740-5.7	5.7	15
311	A comparative study on degradation characteristics of fluoropolymers irradiated by high energy heavy ions. <i>RSC Advances</i> , 2014 , 4, 50171-50179	3.7	10
310	Metal nanotubes and nanowires with rhombohedral cross-section electrolessly deposited in mica templates. <i>Langmuir</i> , 2014 , 30, 10878-85	4	18
309	Fabrication of single cylindrical Au-coated nanopores with non-homogeneous fixed charge distribution exhibiting high current rectifications. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 12486-94	9.5	47
308	Hierarchically porous carbon membranes containing designed nanochannel architectures obtained by pyrolysis of ion-track etched polyimide. <i>Materials Chemistry and Physics</i> , 2014 , 148, 846-853	4.4	8
307	Stable platinum nanostructures on nitrogen-doped carbon obtained by high-temperature synthesis for use in PEMFC. <i>Journal of Applied Electrochemistry</i> , 2014 , 44, 573-580	2.6	6
306	Polymer activation by reducing agent absorption as a flexible tool for the creation of metal films and nanostructures by electroless plating. <i>Surface and Coatings Technology</i> , 2014 , 242, 100-108	4.4	22
305	Preparation of Ag-containing diamond-like carbon films on the interior surface of tubes by a combined method of plasma source ion implantation and DC sputtering. <i>Applied Surface Science</i> , 2014 , 310, 257-261	6.7	21
304	CCD based beam loss monitor for ion accelerators. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 743, 86-89	1.2	1
303	On-line and post irradiation analysis of swift heavy ion induced modification of PMMA (polymethyl-methacrylate). <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014 , 326, 135-139	1.2	20
302	Green plating of high aspect ratio gold nanotubes and their morphology-dependent performance in enzyme-free peroxide sensing. <i>RSC Advances</i> , 2014 , 4, 24504	3.7	17
301	Influence of High Energy Heavy Ions on Magnetic Susceptibility of Soft Magnetic Metallic Glasses. <i>Acta Physica Polonica A</i> , 2014 , 126, 54-55	0.6	4

300	Combined in situ infrared and mass spectrometric analysis of high-energy heavy ion induced degradation of polyvinyl polymers. <i>Polymer Chemistry</i> , 2014 , 5, 1001-1012	4.9	41
299	Proximity-induced superconductivity in crystalline Cu and Co nanowires and nanogranular Co structures. <i>Journal of Applied Physics</i> , 2014 , 116, 073906	2.5	11
298	Logic Functions with Stimuli-Responsive Single Nanopores. <i>ChemElectroChem</i> , 2014 , 1, 698-705	4.3	24
297	DLC coating of interior surfaces of steel tubes by low energy plasma source ion implantation and deposition. <i>Applied Surface Science</i> , 2014 , 310, 262-265	6.7	24
296	Polycarbonate activation for electroless plating by dimethylaminoborane absorption and subsequent nanoparticle deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 116, 287-294	2.6	10
295	Comparison of the influence of titanium and chromium adhesion layers on the properties of sol-gel derived NKN thin films. <i>Journal of Sol-Gel Science and Technology</i> , 2013 , 67, 654-659	2.3	1
294	Carbohydrate-Mediated Biomolecular Recognition and Gating of Synthetic Ion Channels. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 18234-18242	3.8	55
293	Untersuchungen zur Sorptionsreversibilität von organischen Schadstoffen in Aktivkohle, Holzkohle und Zeolith Y-200. <i>Grundwasser</i> , 2013 , 18, 197-202	1.1	1
292	Nondestructive and nonpreparative chemical nanometrology of internal material interfaces at tunable high information depths. <i>Analytical Chemistry</i> , 2013 , 85, 193-200	7.8	19
291	Electroless synthesis of nanostructured nickel and nickel-boron tubes and their performance as unsupported ethanol electrooxidation catalysts. <i>Journal of Power Sources</i> , 2013 , 222, 243-252	8.9	70
290	Synthesis of nanoparticle/ligand composite thin films by sequential ligand self assembly and surface complex reduction. <i>Journal of Colloid and Interface Science</i> , 2013 , 389, 23-30	9.3	3
289	Effect of different calcination temperatures and post annealing on the properties of 1,3 propanediol based Sol-Gel (Na _{0.5} K _{0.5})NbO ₃ (NKN) thin films. <i>Journal of Alloys and Compounds</i> , 2013 , 548, 38-45	5.7	8
288	Preparation and antibacterial properties of Ag-containing diamond-like carbon films prepared by a combination of magnetron sputtering and plasma source ion implantation. <i>Vacuum</i> , 2013 , 89, 179-184	3.7	57
287	Net currents obtained from zero-average potentials in single amphoteric nanopores. <i>Electrochemistry Communications</i> , 2013 , 31, 137-140	5.1	18
286	Ion beam based composition and texture control of titanium nitride. <i>Vacuum</i> , 2013 , 89, 229-232	3.7	4
285	Effect of Different Calcination Temperatures and Post Annealing on the Properties of Acetic Acid Based Sol-Gel (Na _{0.5} K _{0.5})NbO ₃ (NKN) Thin Films. <i>Journal of Materials Science and Technology</i> , 2013 , 29, 142-148	9.1	1
284	Silicatein conjugation inside nanoconfined geometries through immobilized NTA-Ni(II) chelates. <i>Chemical Communications</i> , 2013 , 49, 2210-2	5.8	22
283	Tuning nanopore surface polarity and rectification properties through enzymatic hydrolysis inside nanoconfined geometries. <i>Chemical Communications</i> , 2013 , 49, 8770-2	5.8	19

282	Corrosion protection of pure aluminium and aluminium alloy (AA7075) in salt solution with silane-based sol-gel coatings. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2013 , 64, 276-283	1.6	12
281	Nernst-Planck model of photo-triggered, pH-tunable ionic transport through nanopores functionalized with "caged" lysine chains. <i>Journal of Chemical Physics</i> , 2013 , 138, 034709	3.9	21
280	Impedance measurements at sol-gel-based polysiloxane coatings on aluminum and its alloys 2013 , 99-106		
279	Hermetic Protection of Rings by Ion Beam Sputter Coating with a Broad Beam Ion Source and a W-Shaped Hollow Sputter Target. <i>Transactions of the Materials Research Society of Japan</i> , 2013 , 38, 97-100	0.2	1
278	In-situ investigation of polyvinyl formal irradiated with GeV Au ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012 , 272, 400-404	1.2	8
277	Chromium nitride films formed by ion beam assisted deposition at low nitrogen ion energies in comparison to high energies. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012 , 272, 437-440	1.2	3
276	Platinum implantation into tantalum for protection against hydrogen embrittlement during corrosion. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012 , 272, 441-445	1.2	2
275	Electroless synthesis of lepidocrocite (FeOOH) nanotubes in ion track etched polycarbonate templates. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012 , 282, 96-99	1.2	3
274	Saccharide/glycoprotein recognition inside synthetic ion channels modified with boronic acid. <i>Sensors and Actuators B: Chemical</i> , 2012 , 162, 216-222	8.5	29
273	Silicon carbonitride nanolayers Synthesis and chemical characterization. <i>Thin Solid Films</i> , 2012 , 520, 5906-5913	2.2	16
272	Optical Gating of Photosensitive Synthetic Ion Channels. <i>Advanced Functional Materials</i> , 2012 , 22, 390-396	5.6	60
271	Short and long term ionizing radiation effects on charge-coupled devices in radiation environment of high-intensity heavy ion accelerators. <i>Journal of Instrumentation</i> , 2012 , 7, C11002-C11002	1	1
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