

Antonio Miotello

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5695851/antonio-miotello-publications-by-year.pdf>

Version: 2024-04-19

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.

402
papers

10,458
citations

50
h-index

86
g-index

409
ext. papers

11,402
ext. citations

4.6
avg, IF

6.4
L-index

#	Paper	IF	Citations
402	Exothermicity of hydrothermal carbonization: Determination of heat profile and enthalpy of reaction via high-pressure differential scanning calorimetry. <i>Fuel</i> , 2022 , 310, 122312	7.1	3
401	Evaluation of the role of beam homogeneity on the mechanical coupling of laser-ablation-generated impulse. <i>Applied Optics</i> , 2021 , 60, H37-H44	1.7	1
400	Laser-Induced Thermal Processes: Heat Transfer, Generation of Stresses, Melting and Solidification, Vaporization, and Phase Explosion 2021 , 83-163		5
399	Laser Ablation of Aluminum Near the Critical Regime: A Computational Gas-Dynamical Model with Temperature-Dependent Physical Parameters. <i>Micromachines</i> , 2021 , 12,	3.3	1
398	Wastewater remediation with ZnO photocatalysts: Green synthesis and solar concentration as an economically and environmentally viable route to application. <i>Journal of Environmental Management</i> , 2021 , 286, 112226	7.9	15
397	Fluorescent Nanodiamonds Synthesized in One-Step by Pulsed Laser Ablation of Graphite in Liquid-Nitrogen. <i>Journal of Carbon Research</i> , 2021 , 7, 49	3.3	1
396	Light-Induced Advanced Oxidation Processes as PFAS Remediation Methods: A Review. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8458	2.6	3
395	Poly(vinyl chloride) Coupling with UV Laser Radiation: Comparison between Polymer Absorbers and Nanoparticles to Increase Efficiency for Laser Ablation Propulsion. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 28088-28099	3.8	0
394	Laser-Synthesis of NV-Centers-Enriched Nanodiamonds: Effect of Different Nitrogen Sources. <i>Micromachines</i> , 2020 , 11,	3.3	4
393	Nanodiamonds: Synthesis and Application in Sensing, Catalysis, and the Possible Connection with Some Processes Occurring in Space. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4094	2.6	25
392	Pulsed laser deposition of nanostructured tungsten oxide films: A catalyst for water remediation with concentrated sunlight. <i>Materials Science in Semiconductor Processing</i> , 2020 , 119, 105237	4.3	7
391	Exploring the hydrogen evolution capabilities of earth-abundant ternary metal borides for neutral and alkaline water-splitting. <i>Electrochimica Acta</i> , 2020 , 354, 136738	6.7	18
390	Realization of a solar hydrothermal carbonization reactor: A zero-energy technology for waste biomass valorization. <i>Journal of Environmental Management</i> , 2020 , 259, 110067	7.9	13
389	Laser-Induced Thermal Processes: Heat Transfer, Generation of Stresses, Melting and Solidification, Vaporization, and Phase Explosion 2020 , 1-81		5
388	Metal Boride-Based Catalysts for Electrochemical Water-Splitting: A Review. <i>Advanced Functional Materials</i> , 2020 , 30, 1906481	15.6	138
387	Interfaces in biopolymer nanocomposites: Their role in the gas barrier properties and kinetics of residual solvent desorption. <i>Applied Surface Science</i> , 2020 , 507, 145066	6.7	6
386	Chloroform desorption from poly(lactic acid) nanocomposites: a thermal desorption spectroscopy study. <i>Pure and Applied Chemistry</i> , 2020 , 92, 391-398	2.1	6

385	Fabricating multilayer antireflective coating for near complete transmittance in broadband visible light spectrum. <i>Optical Materials</i> , 2020 , 108, 110415	3.3	1
384	Study of Gaseous Interactions on Co ₃ O ₄ Thin Film Coatings by Ambient Pressure Soft X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 24511-24519	3.8	10
383	Cobalt-Boride Nanostructured Thin Films with High Performance and Stability for Alkaline Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 16651-16658	8.3	17
382	Pulsed laser deposition of CoFe ₂ O ₄ /CoO hierarchical-type nanostructured heterojunction forming a Z-scheme for efficient spatial separation of photoinduced electron-hole pairs and highly active surface area. <i>Applied Surface Science</i> , 2019 , 489, 584-594	6.7	12
381	Fast and Sensitive Detection of Paramagnetic Species Using Coupled Charge and Spin Dynamics in Strongly Fluorescent Nanodiamonds. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 24412-24422	9.5	14
380	Pulsed laser deposition of nickel oxide films with improved optical properties to functionalize solar light absorbing photoanodes and very low overpotential for water oxidation catalysis. <i>Materials Science in Semiconductor Processing</i> , 2019 , 97, 29-34	4.3	9
379	Treatment of surfactant-rich industrial wastewaters with concentrated sunlight: toward solar wastewater remediation. <i>International Journal of Environmental Science and Technology</i> , 2019 , 16, 2109-2114	3.3	13
378	Solar Concentration for Wastewaters Remediation: A Review of Materials and Technologies. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 118	2.6	27
377	A unique amorphous cobalt-phosphide-boride bifunctional electrocatalyst for enhanced alkaline water-splitting. <i>Applied Catalysis B: Environmental</i> , 2019 , 259, 118051	21.8	68
376	On the route towards a facile fluorescent nanodiamonds laser-synthesis. <i>Carbon</i> , 2019 , 153, 148-155	10.4	14
375	Rational Design Combining Morphology and Charge-Dynamic for Hematite/Nickel-Iron Oxide Thin-Layer Photoanodes: Insights into the Role of the Absorber/Catalyst Junction. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 48002-48012	9.5	3
374	Effect of graphene oxide loading on TiO ₂ : Morphological, optical, interfacial charge dynamics-A combined experimental and theoretical study. <i>Carbon</i> , 2019 , 143, 51-62	10.4	29
373	An all-optical single-step process for production of nanometric-sized fluorescent diamonds. <i>Nanoscale</i> , 2018 , 10, 5738-5744	7.7	15
372	Co oxide nanostructures for electrocatalytic water-oxidation: effects of dimensionality and related properties. <i>Nanoscale</i> , 2018 , 10, 8806-8819	7.7	47
371	An innovative small-scale prototype plant integrating a solar dish concentrator with a molten salt storage system. <i>Renewable Energy</i> , 2018 , 123, 150-161	8.1	13
370	The modeling and synthesis of nanodiamonds by laser ablation of graphite and diamond-like carbon in liquid-confined ambient. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	15
369	Two-step growth mechanism of supported Co ₃ O ₄ -based sea-urchin like hierarchical nanostructures. <i>Applied Surface Science</i> , 2018 , 439, 876-882	6.7	7
368	Functionalized p-silicon photocathodes for solar fuels applications: Insights from electrochemical impedance spectroscopy. <i>Electrochimica Acta</i> , 2018 , 271, 472-480	6.7	5

367	Anomalous molecular infiltration in graphene laminates. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 24671-24680	3.6	6
366	Laser-Inducing Extreme Thermodynamic Conditions in Condensed Matter to Produce Nanomaterials for Catalysis and the Photocatalysis. <i>Springer Series in Materials Science</i> , 2018 , 89-106	0.9	3
365	Roles of Vanadium and Nitrogen in Photocatalytic Activity of VN-Codoped TiO Photocatalyst. <i>Photochemistry and Photobiology</i> , 2018 , 94, 955-964	3.6	5
364	Nano-voids in epoxy resins: Role in the transport of light gases. <i>Polymer</i> , 2017 , 113, 147-155	3.9	3
363	Co-Mo-B Nanoparticles as a non-precious and efficient Bifunctional Electrocatalyst for Hydrogen and Oxygen Evolution. <i>Electrochimica Acta</i> , 2017 , 232, 64-71	6.7	79
362	Polymer rigidification in graphene based nanocomposites: Gas barrier effects and free volume reduction. <i>Polymer</i> , 2017 , 121, 17-25	3.9	29
361	3D hierarchical nanostructures of iron oxides coatings prepared by pulsed laser deposition for photocatalytic water purification. <i>Applied Catalysis B: Environmental</i> , 2017 , 219, 401-411	21.8	22
360	Tungsten-doped TiO/reduced Graphene Oxide nano-composite photocatalyst for degradation of phenol: A system to reduce surface and bulk electron-hole recombination. <i>Journal of Environmental Management</i> , 2017 , 203, 364-374	7.9	44
359	Simulation of phase explosion in the nanosecond laser ablation of aluminum. <i>Journal of Colloid and Interface Science</i> , 2017 , 489, 126-130	9.3	19
358	Dynamics of liquid nanodroplet formation in nanosecond laser ablation of metals. <i>Applied Surface Science</i> , 2017 , 418, 601-606	6.7	8
357	Harvesting Clean Energy Through H ₂ Production Using Cobalt-Boride-Based Nanocatalyst 2017 , 35-56		1
356	XANES study of vanadium and nitrogen dopants in photocatalytic TiO thin films. <i>Physical Chemistry Chemical Physics</i> , 2017 , 20, 221-231	3.6	6
355	Physical vapor deposition of mixed-metal oxides based on Fe, Co and Ni as water oxidation catalysts. <i>Materials Science in Semiconductor Processing</i> , 2016 , 42, 155-158	4.3	9
354	On the effect of Sn-doping in hematite anodes for oxygen evolution. <i>Electrochimica Acta</i> , 2016 , 214, 345-353	6.7	31
353	Study of 2D MXene Cr ₂ C material for hydrogen storage using density functional theory. <i>Applied Surface Science</i> , 2016 , 389, 88-95	6.7	42
352	Porous versus Compact Nanosized Fe(III)-Based Water Oxidation Catalyst for Photoanodes Functionalization. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 20003-11	9.5	14
351	On the thermodynamic path enabling a room-temperature, laser-assisted graphite to nanodiamond transformation. <i>Scientific Reports</i> , 2016 , 6, 35244	4.9	34
350	Dependence of photocatalysis on charge carrier separation in Ag-doped and decorated TiO ₂ nanocomposites. <i>Catalysis Science and Technology</i> , 2016 , 6, 8428-8440	5.5	55

349	CoNiB nanocatalyst for efficient hydrogen evolution reaction in wide pH range. <i>Applied Catalysis B: Environmental</i> , 2016 , 192, 126-133	21.8	175
348	Electrophoretic deposition of colloidal TiO ₂ nanorods towards nano-porous thin-films. <i>Materials Letters</i> , 2016 , 174, 226-229	3.3	4
347	Enhanced H ₂ production from hydrolysis of sodium borohydride using Co ₃ O ₄ nanoparticles assembled coatings prepared by pulsed laser deposition. <i>Applied Catalysis A: General</i> , 2016 , 515, 1-9	5.1	32
346	Effect of annealing and nanostructuring on pulsed laser deposited WS ₂ for HER catalysis. <i>Applied Catalysis A: General</i> , 2016 , 510, 156-160	5.1	26
345	Efficient Co-B-codoped TiO ₂ photocatalyst for degradation of organic water pollutant under visible light. <i>Applied Catalysis B: Environmental</i> , 2016 , 183, 242-253	21.8	81
344	Synthesis and Characterization of Cu and N Codoped RF-Sputtered TiO ₂ Films: Photoluminescence Dynamics of Charge Carriers Relevant for Water Splitting. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 12042-12050	3.8	7
343	Free volumes and gas transport in polymers: amine-modified epoxy resins as a case study. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 3817-24	3.6	16
342	Pulsed laser deposition of nanostructured Co-B-O thin films as efficient catalyst for hydrogen production. <i>Applied Surface Science</i> , 2016 , 387, 358-365	6.7	9
341	Copper and Nitrogen co-doped TiO ₂ photocatalyst with enhanced optical absorption and catalytic activity. <i>Applied Catalysis B: Environmental</i> , 2015 , 168-169, 333-341	21.8	141
340	Experimental and Theoretical Investigations on the Activity and Stability of Substitutional and Interstitial Boron in TiO ₂ Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 18581-18590	3.8	45
339	Rapid hydrogenation of amorphous TiO ₂ to produce efficient H-doped anatase for photocatalytic water splitting. <i>Applied Catalysis A: General</i> , 2015 , 500, 69-73	5.1	26
338	In Situ X-ray Absorption Spectroscopy/X-ray Diffraction Investigation of Nb Nanoclusters in MgH ₂ during Hydrogen Desorption. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 7765-7770	3.8	8
337	Improvement of the electron collection efficiency in porous hematite using a thin iron oxide underlayer: towards efficient all-iron based photoelectrodes. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 29661-70	3.6	10
336	Highly photo-catalytically active hierarchical 3D porous/urchin nanostructured Co ₃ O ₄ coating synthesized by Pulsed Laser Deposition. <i>Applied Catalysis B: Environmental</i> , 2015 , 166-167, 475-484	21.8	62
335	Synthesis of mesoporous ITO/TiO ₂ electrodes for optoelectronics. <i>Materials Letters</i> , 2015 , 139, 355-358	3.3	14
334	Liquid nanodroplet formation through phase explosion mechanism in laser-irradiated metal targets. <i>Physical Review E</i> , 2015 , 92, 031301	2.4	20
333	Gas transport and free volume study in polyethylene based epoxy membranes. <i>Journal of Physics: Conference Series</i> , 2015 , 618, 012036	0.3	
332	CO ₂ Laser irradiation of GeO ₂ planar waveguide fabricated by rf-sputtering. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 73, 012006	0.4	3

331	Progress in CoB related catalyst for hydrogen production by hydrolysis of boron-hydrides: A review and the perspectives to substitute noble metals. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 1429-1464	6.7	132
330	Influence of nano-level molecular packing on the gas transport properties in amine-modified epoxy resins. <i>Polymer</i> , 2015 , 58, 130-138	3.9	16
329	Cobalt-Boride: An efficient and robust electrocatalyst for Hydrogen Evolution Reaction. <i>Journal of Power Sources</i> , 2015 , 279, 620-625	8.9	188
328	Ruthenium nanoparticles supported over carbon thin film catalyst synthesized by pulsed laser deposition for hydrogen production from ammonia borane. <i>Applied Catalysis A: General</i> , 2015 , 495, 23-29 ^{5.1}	5.1	34
327	Formation of an intermediate band in the energy gap of TiO ₂ by Cu ^{II} -codoping: First principles study and experimental evidence. <i>Solar Energy Materials and Solar Cells</i> , 2014 , 125, 120-126	6.4	60
326	Comprehensive studies on the interaction of copper nanoparticles with bovine serum albumin using various spectroscopies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 113, 276-84	6	94
325	Pulsed laser deposition of Co ₃ O ₄ nanocatalysts for dye degradation and CO oxidation. <i>Applied Surface Science</i> , 2014 , 302, 105-108	6.7	19
324	Pulsed-laser deposition of nanostructured iron oxide catalysts for efficient water oxidation. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 6186-90	9.5	35
323	Gas transport through nanocomposite membrane composed by polyethylene with dispersed graphite nanoplatelets. <i>Journal of Membrane Science</i> , 2014 , 463, 196-204	9.6	51
322	Efficient photocatalytic degradation of organic water pollutants using V ^{III} -codoped TiO ₂ thin films. <i>Applied Catalysis B: Environmental</i> , 2014 , 150-151, 74-81	21.8	101
321	Multilayer films of indium tin oxide/TiO ₂ codoped with vanadium and nitrogen for efficient photocatalytic water splitting. <i>International Journal of Nanotechnology</i> , 2014 , 11, 1017	1.5	8
320	Upgraded production of (1R,5S)-1-hydroxy-3,6-dioxo-bicyclo[3.2.1]octan-2-one from cellulose catalytic pyrolysis and its detection in bio-oils by spectroscopic methods. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014 , 110, 285-290	6	11
319	Nano-cluster Assembled Films, Produced by Pulsed Laser Deposition, for Catalysis and the Photocatalysis. <i>Springer Series in Materials Science</i> , 2014 , 213-225	0.9	0
318	Backscattered electrons from gold surface films deposited on silicon substrates: a joint experimental and computational investigation to add new potentiality to electron microscopy. <i>Surface and Interface Analysis</i> , 2013 , 45, 677-681	1.5	11
317	Co ₃ O ₄ nanoparticles assembled coatings synthesized by different techniques for photo-degradation of methylene blue dye. <i>Applied Catalysis B: Environmental</i> , 2013 , 132-133, 204-211	21.8	103
316	Mesoporous CoB nanocatalyst for efficient hydrogen production by hydrolysis of sodium borohydride. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 14685-14692	6.7	35
315	Cobalt/cobalt oxide nanoparticles-assembled coatings with various morphology and composition synthesized by pulsed laser deposition. <i>Surface and Coatings Technology</i> , 2013 , 235, 784-791	4.4	9
314	Improved H ₂ production rate by hydrolysis of Ammonia Borane using quaternary alloy catalysts. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 3313-3322	6.7	16

313	Magnesium growth in magnesium deuteride thin films during deuterium desorption. <i>Journal of Alloys and Compounds</i> , 2013 , 580, S29-S32	5.7	2
312	Pulsed laser deposition of cluster-assembled films for catalysis and the photocatalysis relevant to energy and the environment. <i>Applied Surface Science</i> , 2013 , 278, 19-25	6.7	16
311	Co-B catalyst supported over mesoporous silica for hydrogen production by catalytic hydrolysis of Ammonia Borane: A study on influence of pore structure. <i>Applied Catalysis B: Environmental</i> , 2013 , 140-141, 125-132	21.8	46
310	Construction method and optical characterization of parabolic solar modules for concentration systems. <i>Solar Energy</i> , 2013 , 94, 19-27	6.8	13
309	Systematic investigation on the interaction of bovine serum albumin with ZnO nanoparticles using fluorescence spectroscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 102, 257-64	6	142
308	Visible light photocatalytic degradation of 4-chlorophenol using vanadium and nitrogen co-doped TiO ₂ 2013 ,		3
307	A new apparatus for carbon monoxide oxidation studies performed over thin film catalysts. <i>Measurement Science and Technology</i> , 2013 , 24, 125901	2	1
306	Growth of Pb-nanowires in one single process by co-sputtering of AlPb targets. <i>Surface and Coatings Technology</i> , 2012 , 206, 3104-3108	4.4	1
305	Structural and electrical properties of AlN films deposited using reactive RF magnetron sputtering for solar concentrator application. <i>Applied Surface Science</i> , 2012 , 258, 3450-3454	6.7	20
304	Improved visible light photocatalytic activity of TiO ₂ co-doped with Vanadium and Nitrogen. <i>Applied Catalysis B: Environmental</i> , 2012 , 126, 47-54	21.8	148
303	CoMoBB Alloy with Enhanced Catalytic Properties for H ₂ Production by Hydrolysis of Ammonia Borane. <i>Topics in Catalysis</i> , 2012 , 55, 1032-1039	2.3	22
302	Superior hydrogen production rate by catalytic hydrolysis of ammonia borane using Co-B nanoparticles supported over mesoporous silica particles. <i>Catalysis Communications</i> , 2012 , 23, 39-42	3.2	21
301	CoB nanoparticles supported on carbon film synthesized by pulsed laser deposition for hydrolysis of ammonia borane. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 2007-2013	6.7	35
300	Dehydrogenation of Ammonia Borane with transition metal-doped CoB alloy catalysts. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 2397-2406	6.7	62
299	Pulsed laser deposition of Co ₃ O ₄ nanoparticles assembled coating: Role of substrate temperature to tailor disordered to crystalline phase and related photocatalytic activity in degradation of methylene blue. <i>Applied Catalysis A: General</i> , 2012 , 423-424, 21-27	5.1	76
298	Improved dehydrogenation of ammonia borane over Co-P-B coating on Ni: A single catalyst for both hydrolysis and thermolysis. <i>Applied Catalysis B: Environmental</i> , 2012 , 111-112, 178-184	21.8	37
297	Niobium aggregation and vacancylike defect evolution in nanostructured Nb-doped Mg: Their role in the kinetics of the hydride-to-metal phase transformation. <i>Physical Review B</i> , 2012 , 85,	3.3	11
296	Synthesis of lead nanowires in a single co-sputtering deposition step. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 8759-63	1.3	

295	XPS and UPS in situ study of oxygen thermal desorption from nanocrystalline diamond surface oxidized by different process. <i>Diamond and Related Materials</i> , 2011 , 20, 560-563	3.5	6
294	The role of oxygen in the one step amination process of nanocrystalline diamond surface. <i>Diamond and Related Materials</i> , 2011 , 20, 990-994	3.5	19
293	Structure modification of Mg/Nb films under hydrogen sorption cycles. <i>Journal of Alloys and Compounds</i> , 2011 , 509, S572-S575	5.7	9
292	Enhanced kinetics of hydride-metal phase transition in magnesium by vacancy clustering. <i>Physical Review B</i> , 2011 , 84,	3.3	14
291	Stability, durability, and reusability studies on transition metal-doped Co/B alloy catalysts for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 13379-13391	6.7	30
290	Dense array connections for photovoltaic systems in concentration. <i>Progress in Photovoltaics: Research and Applications</i> , 2011 , 19, 379-390	6.8	8
289	Enhanced hydrogen production by hydrolysis of NaBH ₄ using Co-B nanoparticles supported on Carbon film catalyst synthesized by pulsed laser deposition. <i>Catalysis Today</i> , 2011 , 170, 20-26	5.3	32
288	Efficient H ₂ production by water-splitting using indium tin-oxide/V-doped TiO ₂ multilayer thin film photocatalyst. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 6519-6528	6.7	58
287	Backscattered electrons from surface films deposited on bulk targets: A comparison between computational and experimental results. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011 , 269, 1672-1674	1.2	10
286	Pulsed Laser Deposition of Co-nanoparticles embedded on B-thin film: A very efficient catalyst produced in a single-step process. <i>Applied Catalysis B: Environmental</i> , 2011 , 103, 31-38	21.8	43
285	PVD Techniques for Metallic Membrane Reactors 2011 , 289-314		
284	Reducing Hydrogen Permeation through Metals. <i>Defect and Diffusion Forum</i> , 2011 , 312-315, 560-565	0.7	1
283	Atoms and Nanoparticles of Transition Metals as Catalysts for Hydrogen Desorption from Magnesium Hydride. <i>Journal of Nanomaterials</i> , 2011 , 2011, 1-11	3.2	17
282	XPS Study of In Situ One-Step Amination of Nanocrystalline Diamond Films. <i>Advances in Science and Technology</i> , 2010 , 71, 45-49	0.1	2
281	Promoting effect of transition metal-doped Co/B alloy catalysts for hydrogen production by hydrolysis of alkaline NaBH ₄ solution. <i>Journal of Catalysis</i> , 2010 , 271, 315-324	7.3	216
280	Nanoparticle-assembled Co-B thin film for the hydrolysis of ammonia borane: A highly active catalyst for hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2010 , 95, 137-143	21.8	111
279	Efficient indium tin oxide/Cr-doped-TiO ₂ multilayer thin films for H ₂ production by photocatalytic water-splitting. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 9581-9590	6.7	87
278	Co/B catalyst thin films prepared by electroless and pulsed laser deposition for hydrogen generation by hydrolysis of alkaline sodium borohydride: A comparison. <i>Thin Solid Films</i> , 2010 , 518, 4779-4785	2.2	29

277	Nanolayers on nanochannels for hydrogen purification. <i>Journal of Applied Physics</i> , 2009 , 105, 034502	2.5	8
276	Synergy on catalytic effect of FeZr additives mixed in different proportions on the hydrogen desorption from MgH ₂ . <i>Applied Physics Letters</i> , 2009 , 94, 204103	3.4	4
275	Hydrogen sorption kinetics in Nb doped Mg: role of Nb clustering and open volume defects formation. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009 , 6, 2310-2312		3
274	Studies on catalytic behavior of CoNiB in hydrogen production by hydrolysis of NaBH ₄ . <i>Journal of Molecular Catalysis A</i> , 2009 , 298, 1-6		143
273	Efficient catalytic properties of CoNiB catalyst powders for hydrogen generation by hydrolysis of alkaline solution of NaBH ₄ . <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 2893-2900	6.7	147
272	Structural evolution of Pd-capped Mg thin films under H ₂ absorption and desorption cycles. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 4817-4826	6.7	35
271	Hydrogen production by photocatalytic water-splitting using Cr- or Fe-doped TiO ₂ composite thin films photocatalyst. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 5337-5346	6.7	334
270	Deposition of soft self-lubricant metals on steel: Improved adhesion by ion beam and tests on non planar geometry. <i>Surface and Coatings Technology</i> , 2009 , 203, 2575-2578	4.4	3
269	Low energy ion-beam modification of TiO ₂ photocatalyst thin film for visible light absorption. <i>Surface and Coatings Technology</i> , 2009 , 203, 2579-2583	4.4	13
268	Hydrogen generation by hydrolysis of NaBH ₄ with efficient CoB catalyst: A kinetic study. <i>Journal of Power Sources</i> , 2009 , 188, 411-420	8.9	165
267	Hydrogen generation by hydrolysis of alkaline NaBH ₄ solution with Cr-promoted CoB amorphous catalyst. <i>Applied Catalysis B: Environmental</i> , 2009 , 92, 68-74	21.8	136
266	Hydrogen sorption in metal-polymer composites: The role of interfaces. <i>Journal of Applied Physics</i> , 2009 , 105, 083513	2.5	10
265	XPS and UPS investigation of the diamond surface oxidation by UV irradiation. <i>Diamond and Related Materials</i> , 2009 , 18, 804-807	3.5	20
264	Catalytic effect of mixed ZrBe additives on the hydrogen desorption kinetics of MgH ₂ . <i>Applied Physics Letters</i> , 2008 , 92, 051910	3.4	10
263	H ₂ storage efficiency and sorption kinetics in composite materials. <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 2160-2163	3.9	8
262	Porosity depth profiling of spin-coated silica thin films produced by different precursors sols. <i>Applied Surface Science</i> , 2008 , 255, 170-173	6.7	5
261	Pd-C powder and thin film catalysts for hydrogen production by hydrolysis of sodium borohydride. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 287-292	6.7	151
260	Excimer laser irradiation at 248 nm of wooden archaeological objects and polymeric consolidants used in conservation: a study of cone formation and optimum cleaning parameters. <i>Applied Physics A: Materials Science and Processing</i> , 2008 , 92, 217-221	2.6	2

259	Deuterium thermal desorption from Ni-rich deuterated Mg thin films. <i>Renewable Energy</i> , 2008 , 33, 232-236		8
258	Physically and chemically synthesized TiO ₂ composite thin films for hydrogen production by photocatalytic water splitting. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 6896-6903	6.7	102
257	Structured and Nanoparticle Assembled CoB Thin Films Prepared by Pulsed Laser Deposition: A Very Efficient Catalyst for Hydrogen Production. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 6968-6976	3.8	100
256	THE ROLE OF INTERFACE IN THE MECHANISM OF HYDROGEN ABSORPTION BY METAL-POLYMER COMPOSITES. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2008 , 151-156	0.3	
255	Kinetic Features of the Platinum Catalyzed Hydrolysis of Sodium Borohydride from ¹¹ B NMR Measurements. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 18744-18750	3.8	102
254	An integrated apparatus for production and measurement of molecular hydrogen. <i>Measurement Science and Technology</i> , 2007 , 18, N21-N26	2	32
253	Synthesis and characterization of polymer embedded LaNi ₅ composite material for hydrogen storage. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 4043-4048	3	14
252	Simulation studies of radiation induced segregation in 316SS. <i>Surface and Coatings Technology</i> , 2007 , 201, 8424-8426	4.4	
251	Thin films of CoB prepared by pulsed laser deposition as efficient catalysts in hydrogen producing reactions. <i>Applied Catalysis A: General</i> , 2007 , 323, 18-24	5.1	109
250	Laser fluence dependence of the elastic properties of diamond-like carbon films prepared by pulsed-laser deposition. <i>Applied Surface Science</i> , 2007 , 253, 6480-6486	6.7	5
249	Pulsed-laser deposition of nanostructured Pd/C thin films: A new entry into metal-supported catalysts for hydrogen producing reactions. <i>Applied Surface Science</i> , 2007 , 254, 1307-1311	6.7	12
248	Numerical simulation of hydrogen desorption from thin metallic films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007 , 255, 92-94	1.2	1
247	Structural characterization and porosity analysis in spin coated silica thin films as gas selective membranes. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007 , 4, 3823-3826		5
246	Structural evolution of nanoporous silica thin films studied by positron annihilation spectroscopy and Fourier transform infrared spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 5266-5274	3	8
245	Control of cluster synthesis in nano-glassy carbon films. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 1860-1864		9
244	Catalytic properties on the hydrogen desorption process of metallic additives dispersed in the MgH ₂ matrix. <i>Journal of Alloys and Compounds</i> , 2007 , 446-447, 58-62	5.7	21
243	Hydrogen kinetics in magnesium hydride: On different catalytic effects of niobium. <i>Applied Physics Letters</i> , 2006 , 89, 014101	3.4	41
242	Preliminary Laser Cleaning Studies of a Consolidated Prehistoric Basketry Coming from the Pile Building of Fivier Carera in the North-East of Italy. <i>Laser Chemistry</i> , 2006 , 2006, 1-5		6

241	Pulsed laser ablation of borax target in vacuum and hydrogen DC glow discharges. <i>Applied Surface Science</i> , 2006 , 252, 7904-7910	6.7	5
240	Hydrogen permeation through a slab sample in the case of high hydrogen concentration. <i>Thin Solid Films</i> , 2006 , 496, 735-739	2.2	3
239	New insights on the mechanism of palladium-catalyzed hydrolysis of sodium borohydride from ¹¹ B NMR measurements. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 17024-33	3.4	232
238	Laser cleaning of artificially aged textiles. <i>Applied Physics A: Materials Science and Processing</i> , 2006 , 83, 651-655	2.6	3
237	Deuterium storage in Mg/Nb films. <i>Journal of Alloys and Compounds</i> , 2005 , 404-406, 461-464	5.7	10
236	Laser cleaning of ancient textiles. <i>Applied Surface Science</i> , 2005 , 247, 369-372	6.7	8
235	Pulsed-laser deposition of carbon: from DLC to cluster-assembled films. <i>Thin Solid Films</i> , 2005 , 482, 2-8	2.2	35
234	Pulsed laser deposition of glass-like cluster assembled carbon films. <i>Carbon</i> , 2005 , 43, 2122-2127	10.4	24
233	Pulsed laser deposition of nano-glassy carbon films. <i>Applied Surface Science</i> , 2005 , 248, 334-339	6.7	7
232	Microstructure dependence of low-temperature elastic properties in amorphous diamondlike carbon films. <i>Physical Review B</i> , 2005 , 71,	3.3	6
231	Nb clusters formation in Nb-doped magnesium hydride. <i>Applied Physics Letters</i> , 2005 , 87, 061904	3.4	26
230	Structural Studies of Titanium Oxide Multilayers. <i>Acta Physica Polonica A</i> , 2005 , 107, 977-982	0.6	4
229	Deuterium storage in nanocrystalline magnesium thin films. <i>Journal of Applied Physics</i> , 2004 , 95, 1989-1995	2.2	32
228	Mg/Nb films produced by pulsed laser deposition for hydrogen storage. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004 , 108, 33-37	3.1	12
227	High temperature ion beam erosion of polytetrafluoroethylene. <i>Thin Solid Films</i> , 2004 , 459, 318-322	2.2	13
226	Structural evolution of nanocrystalline Pd/Mg bilayers under deuterium absorption and desorption cycles. <i>Thin Solid Films</i> , 2004 , 469-470, 350-355	2.2	20
225	Palladium membranes prepared by r.f. magnetron sputtering for hydrogen purification. <i>Surface and Coatings Technology</i> , 2004 , 177-178, 73-79	4.4	35
224	Microstructure, oxidation and H ₂ -permeation resistance of TiAlN films deposited by DC magnetron sputtering technique. <i>Surface and Coatings Technology</i> , 2004 , 180-181, 9-14	4.4	59

223	Ion beam assisted deposition of lubricant Ag(Au) films on non-planar steel substrates. <i>Surface and Coatings Technology</i> , 2004 , 180-181, 41-43	4.4	3
222	Sievert-type apparatus for the study of hydrogen storage in solids. <i>Measurement Science and Technology</i> , 2004 , 15, 127-130	2	56
221	Catalytic effect on hydrogen desorption in Nb-doped microcrystalline MgH ₂ . <i>Applied Physics Letters</i> , 2004 , 85, 5212-5214	3.4	62
220	Structural evolution of FeAl multilayers submitted to thermal annealing. <i>Thin Solid Films</i> , 2003 , 433, 205-210	2.2	19
219	Pulsed laser deposition of diamond-like carbon films: reducing internal stress by thermal annealing. <i>Applied Surface Science</i> , 2003 , 208-209, 561-565	6.7	31
218	Hydrodynamic effects on the molten surface of a laser-irradiated aluminum sample. <i>Applied Surface Science</i> , 2003 , 208-209, 263-266	6.7	3
217	Deuterium thermal desorption from FeTi thin films. <i>Journal of Alloys and Compounds</i> , 2003 , 356-357, 521-525	5.7	3
216	Pulsed laser deposition of diamondlike carbon films on polycarbonate. <i>Journal of Applied Physics</i> , 2003 , 93, 859-865	2.5	33
215	Ion beam induced enhanced adhesion of Au films deposited on polytetrafluoroethylene. <i>Thin Solid Films</i> , 2002 , 420-421, 565-570	2.2	33
214	Aluminum and iron surface modification by deuterium ion implantation and thermal desorption process. <i>Surface and Coatings Technology</i> , 2002 , 158-159, 356-363	4.4	11
213	Ion beam-induced enhanced adhesion of gold films deposited on glass. <i>Surface and Coatings Technology</i> , 2002 , 158-159, 558-562	4.4	10
212	Morphological changes induced on aluminum surfaces by excimer laser irradiation. <i>Applied Surface Science</i> , 2002 , 186, 211-215	6.7	13
211	Structural and elastic properties of cubic boron nitride films. <i>Surface and Coatings Technology</i> , 2002 , 151-152, 151-154	4.4	4
210	Spectroscopic characterisation of DLC films deposited on polycarbonate by pulsed laser ablation. <i>Surface and Coatings Technology</i> , 2002 , 151-152, 303-307	4.4	4
209	Two stages in the kinetics of gold cluster growth in ion-implanted silica during isothermal annealing in oxidizing atmosphere. <i>Journal of Applied Physics</i> , 2002 , 92, 4249-4254	2.5	69
208	Structure and mechanical properties of low stress tetrahedral amorphous carbon films prepared by pulsed laser deposition. <i>European Physical Journal B</i> , 2002 , 25, 269-280	1.2	16
207	Deuterium thermal desorption from FeAl thin films. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 6307-6320	6.8	2
206	On the structure of thin amorphous carbon films. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 2002 , 82, 561-571		

205	High temperature efficient deuterium permeation and oxidation (Al,Ti)N barriers deposited on stainless steel. <i>Applied Physics Letters</i> , 2002 , 81, 3762-3764	3.4	8
204	. <i>European Physical Journal B</i> , 2002 , 25, 269-280	1.2	21
203	The corrosion behavior of Zn coatings on Al-3103 alloy. <i>Surface and Coatings Technology</i> , 2001 , 141, 187-193	4.3	10
202	Structure and mechanical properties of nanocrystalline boron nitride thin films. <i>Applied Organometallic Chemistry</i> , 2001 , 15, 430-434	3.1	5
201	Structural evolution of Fe-Al multilayer thin films for different annealing temperatures. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 811-821	1.8	44
200	Influence of annealing atmosphere on metal and metal alloy nanoclusters produced by ion implantation in silica. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2001 , 178, 176-179	1.2	25
199	Influence of post-implantation thermal and laser annealing on the stability of metal alloy nanoclusters in silica. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2001 , 175-177, 410-416	1.2	17
198	Formation of silver nanoclusters by excimer laser interaction in silver-exchanged soda-lime glass. <i>Applied Physics Letters</i> , 2001 , 79, 2456-2458	3.4	39
197	Clustering of gold atoms in ion-implanted silica after thermal annealing in different atmospheres. <i>Physical Review B</i> , 2001 , 63,	3.3	82
196	The pitting behavior of Al-3103 implanted with molybdenum. <i>Corrosion Science</i> , 2001 , 43, 85-97	6.8	14
195	BN coating adhesion on ion-implanted polymer surfaces. <i>Thin Solid Films</i> , 2001 , 398-399, 222-227	2.2	4
194	Monte Carlo Simulation of Few-keV Positrons Penetrating in Solids 2001 , 43-47		1
193	Structural and mechanical properties of ta-C films grown by pulsed laser deposition. <i>Europhysics Letters</i> , 2000 , 50, 501-506	1.6	23
192	Hard coating adhesion on ion implanted polymer surfaces. <i>Thin Solid Films</i> , 2000 , 377-378, 760-765	2.2	16
191	Clustering of silver atoms in hydrogenated silver-sodium exchanged glasses. <i>Applied Physics A: Materials Science and Processing</i> , 2000 , 70, 415-419	2.6	33
190	Deuterium diffusion through hexagonal boron nitride thin films. <i>Journal of Applied Physics</i> , 2000 , 87, 110-116	2.5	6
189	Monte Carlo simulation of positron-stimulated secondary electron emission from solids. <i>Physical Review B</i> , 2000 , 61, 5979-5986	3.3	16
188	Does normal boiling exist due to laser-pulse or ion bombardment?. <i>Journal of Applied Physics</i> , 2000 , 87, 3177-3179	2.5	35

187	Elastic constants of cubic boron nitride films. <i>Applied Physics Letters</i> , 2000 , 77, 2168-2170	3.4	18
186	Structure and optical properties of boron nitride thin films deposited by radio-frequency sputtering on polycarbonate. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 9215-9220	1.8	3
185	Pulsed laser deposition apparatus for applied research. <i>Measurement Science and Technology</i> , 1999 , 10, 27-30	2	32
184	Backscattering of electrons from selected oxides: MgO, SiO ₂ , and Al ₂ O ₃ . <i>EPJ Applied Physics</i> , 1999 , 5, 143-148	1.1	11
183	Time-dependent evolution of thin TiN films prepared by ion beam assisted deposition. <i>Journal of Applied Physics</i> , 1999 , 86, 5566-5572	2.5	15
182	Laser-irradiation-induced structural changes on graphite. <i>Physical Review B</i> , 1999 , 59, 13513-13516	3.3	24
181	Contribution of vaporization and boiling to thermal-spike sputtering by ions or laser pulses. <i>Physical Review E</i> , 1999 , 60, 2616-25	2.4	64
180	On the origin of the different velocity peaks of particles sputtered from surfaces by laser pulses or charged-particle beams. <i>Applied Surface Science</i> , 1999 , 138-139, 44-51	6.7	24
179	Differential scanning calorimetry and thermal desorption analysis of crystalline synthetic quartz. <i>Chemical Physics Letters</i> , 1999 , 306, 330-334	2.5	3
178	Laser-induced phase explosion: new physical problems when a condensed phase approaches the thermodynamic critical temperature. <i>Applied Physics A: Materials Science and Processing</i> , 1999 , 69, S67-S73 ^{2,6}		106
177	Silver cluster formation in ion-exchanged waveguides: processing technique and phenomenological model. <i>Journal of Non-Crystalline Solids</i> , 1999 , 253, 261-267	3.9	16
176	Laser-induced phase explosion: new physical problems when a condensed phase approaches the thermodynamic critical temperature. <i>Applied Physics A: Materials Science and Processing</i> , 1999 , 69, S67-S73 ^{2,6}		224
175	Structural and Mechanical Properties of Diamond-Like Carbon Films Prepared by Pulsed Laser Deposition With Varying Laser Intensity. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 593, 359		12
174	Electrical Properties of TiN _x Films on p-silicon Substrates Obtained by Reactive Ion Beam Assisted Deposition Technique. <i>Journal of Materials Science Letters</i> , 1998 , 17, 637-639		1
173	Fast particle irradiation of solids: Excitation of secondary electrons and the related energy-deposition function. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1998 , 141, 16-24	1.2	9
172	On the role of thermal processes in sputtering and composition changes due to ions or laser pulses. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1998 , 141, 49-60	1.2	18
171	DIFFERENTIAL, TOTAL, AND TRANSPORT CROSS SECTIONS FOR ELASTIC SCATTERING OF LOW ENERGY POSITRONS BY NEUTRAL ATOMS (Z= 1-2, E= 500-2000 eV). <i>Atomic Data and Nuclear Data Tables</i> , 1998 , 69, 1-100	2	19
170	Electron irradiation of dielectric solids: surface electric field calculation. <i>Surface and Interface Analysis</i> , 1998 , 26, 531-533	1.5	3

169	Ionic transport model for hydrogen permeation inducing silver nanocluster formation in silverBodium exchanged glasses. <i>Applied Physics A: Materials Science and Processing</i> , 1998 , 67, 527-529	2.6	22
168	Depth-profiling via X-Ray photoemission and Auger spectroscopies of N+ implanted tungsten carbides grown on the TiBAlV alloy. <i>Thin Solid Films</i> , 1998 , 317, 477-480	2.2	1
167	A new approach to thermal-spike sputtering with ions and laser pulses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998 , 253, 178-193	5.3	6
166	Ar+ -implantation effects on the interfacial properties of the WC/Ti-6Al-4V system. <i>Surface and Coatings Technology</i> , 1998 , 100-101, 358-361	4.4	1
165	Process parameters optimization for TiN and TiC formation using reactive ion beam assisted deposition. <i>Surface and Coatings Technology</i> , 1998 , 100-101, 500-502	4.4	10
164	Interplay between random and chemically guided effects in Kr+-bombarded Ti/Si bilayers. <i>Surface and Coatings Technology</i> , 1998 , 103-104, 25-28	4.4	8
163	Polymer surface modification by ion implantation and reactive deposition of transparent films. <i>Surface and Coatings Technology</i> , 1998 , 103-104, 375-379	4.4	35
162	Gas-dynamic effects in the laser-pulse sputtering of AlN: is there evidence for phase explosion?. <i>Applied Surface Science</i> , 1998 , 133, 251-269	6.7	24
161	Low-temperature deposition of cubic boron nitride thin films. <i>Europhysics Letters</i> , 1998 , 44, 627-633	1.6	9
160	Structural evolution and thermal stability of deuterated titanium thin films. <i>Physical Review B</i> , 1998 , 58, 4130-4137	3.3	16
159	Microstructural characterization of carbon films and films produced by implantation. <i>Journal of Physics Condensed Matter</i> , 1997 , 9, 1743-1761	1.8	8
158	Microstructure and mechanical properties of a N+ implanted Al alloy. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1997 , 76, 549-557		7
157	Phase formation and stability of N+ implanted SiC thin films. <i>Journal of Applied Physics</i> , 1997 , 81, 146-149	2.5	11
156	Heating effects and gas-dynamic expansion of the plasma plume produced by irradiating a solid with laser pulses. <i>Plasma Sources Science and Technology</i> , 1997 , 6, 260-269	3.5	21
155	Slow electrons impinging on dielectric solids. I. Basic aspects. <i>Physical Review B</i> , 1997 , 56, 2234-2240	3.3	16
154	Slow electrons impinging on dielectric solids. II. Implantation profiles, electron mobility, and recombination processes. <i>Physical Review B</i> , 1997 , 56, 2241-2247	3.3	36
153	Deuterium permeation through SiO ₂ thin film deposited on stainless steel substrate. <i>Journal of Non-Crystalline Solids</i> , 1997 , 216, 65-70	3.9	8
152	5. Plume Formation and Characterization in Laser-Surface Interactions. <i>Experimental Methods in the Physical Sciences</i> , 1997 , 30, 225-289	0.4	8

151	Vibrational spectroscopy of mixed hexagonal-cubic boron nitride thin films. <i>Thin Solid Films</i> , 1997 , 308-309, 107-112	2.2	12
150	Revisiting the thermal-spike concept in ion-surface interactions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1997 , 122, 458-469	1.2	58
149	On the mechanisms of target modification by ion beams and laser pulses. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1997 , 122, 374-400	1.2	86
148	Nitrogen effects on the microstructural evolution of carbon films under thermal annealing. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1997 , 122, 553-558	1.2	6
147	Composition changes in N ₂ ⁺ bombarded Ti/Si bilayers and multilayers: interplay between random and chemically guided effects. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1997 , 127-128, 102-106	1.2	10
146	Synthesis of mixed hexagonal-cubic BN thin films at low temperature. <i>Applied Surface Science</i> , 1997 , 108, 33-38	6.7	3
145	A study of deuterium permeation through thin BN films. <i>Thin Solid Films</i> , 1997 , 299, 5-9	2.2	10
144	Low Temperature Deposition and Characterization of BN Thin Films 1997 , 345-355		
143	Comments on explosive mechanisms of laser sputtering 1996 , 205-215		1
142	Angular distribution and expansion of laser ablation plumes measured by fast intensified charge coupled device photographs. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1996 , 116, 257-261	1.2	24
141	Peculiar aspects related to the hydrogen permeation flux through a martensitic steel membrane before and after ion implantation. <i>Surface and Coatings Technology</i> , 1996 , 83, 36-39	4.4	1
140	Ageing effects of thin films prepared by ion beam assisted deposition: a multi-technique characterization. <i>Thin Solid Films</i> , 1996 , 290-291, 401-405	2.2	1
139	Spectrophotometric study of oxide growth on arc evaporated TiN and ZrN coatings during hot air oxidation tests. <i>Thin Solid Films</i> , 1996 , 290-291, 289-293	2.2	18
138	Hydrogen desorption from crystalline quartz and some related differential-scanning calorimetry and conductivity phenomena. <i>Solid State Communications</i> , 1996 , 98, 917-922	1.6	5
137	Spatial distribution of laser-ablated material by probing a plasma plume in three dimensions. <i>Applied Surface Science</i> , 1996 , 96-98, 102-111	6.7	17
136	Comments on explosive mechanisms of laser sputtering. <i>Applied Surface Science</i> , 1996 , 96-98, 205-215	6.7	237
135	Chemical, mechanical and electrical properties of CN _x -films produced by reactive sputtering and N ⁺ -implantation in carbon films. <i>Applied Surface Science</i> , 1996 , 99, 273-284	6.7	16
134	On the question of whether ion-beam mixing of Fe-Al and Mo-Cr multilayers is governed more nearly by ballistic effects, residual defects, or thermal-spike effects. <i>Surface and Coatings Technology</i> , 1996 , 83, 156-161	4.4	5

133	Metal-ceramic ion-beam mixing: a quest for general principles. <i>Surface and Coatings Technology</i> , 1996 , 83, 134-145	4.4	20
132	Mechanical behaviour of nitrogen-implanted aluminium alloys. <i>Surface and Coatings Technology</i> , 1996 , 83, 284-289	4.4	28
131	Radiation-induced redistribution of implanted impurities in Al. <i>Surface and Coatings Technology</i> , 1996 , 83, 88-92	4.4	
130	Analysis of the hydrogen permeation properties of TiN-TiC bilayers deposited on martensitic stainless steel. <i>Surface and Coatings Technology</i> , 1996 , 83, 40-44	4.4	32
129	Glazing of ceramic surfaces with high-intensity pulsed ion beams. <i>Surface and Coatings Technology</i> , 1996 , 84, 329-333	4.4	12
128	N ⁺ -implantation induced enhanced adhesion in. <i>Applied Surface Science</i> , 1996 , 103, 315-329	6.7	4
127	Thermodynamic effects in the ion-beam mixing of Fe-Al and Mo-Cr multilayers. <i>Journal of Applied Physics</i> , 1996 , 80, 2702-2711	2.5	7
126	Spatial distribution of laser-ablated material by probing a plasma plume in three dimensions 1996 , 102-111		0
125	Numerical solution of gas-dynamic equations with boundary conditions for reflection and recondensation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995 , 199, 333-338	2.3	2
124	Laser-pulse sputtering of aluminium: gas-dynamic effects with recondensation and reflection conditions at the Knudsen layer. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995 , 101, 148-155 ^{1,2}		10
123	Fractal aspects related to the Si oxidation process. <i>Physical Review B</i> , 1995 , 51, 5469-5472	3.3	15
122	New structural features of non-crystalline SiO ₂ as revealed by the analysis of the transport properties of hydrogen and oxygen. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1995 , 71, 741-750		1
121	Hydrogen permeation apparatus with thermal desorption spectroscopy capabilities. <i>Measurement Science and Technology</i> , 1995 , 6, 1605-1611	2	20
120	Reply to Comment on Ion-beam mixing with chemical guidance. IV. Thermodynamic effects without invoking thermal spikes by D. Marton and J. Fine <i>Surface Science</i> , 1995 , 329, 289-292	1.8	10
119	Critical assessment of thermal models for laser sputtering at high fluences. <i>Applied Physics Letters</i> , 1995 , 67, 3535-3537	3.4	325
118	Influence of the Shape and Size of the Laser Spot on the Spatial Distribution of the Plasma Plume. <i>Materials Research Society Symposia Proceedings</i> , 1995 , 397, 87		5
117	Tem Investigation and Hardness Improvement of A N ⁺ Implanted Al-Alloy. <i>Materials Research Society Symposia Proceedings</i> , 1995 , 400, 287		1
116	Study of Nitrogen Implanted in Aluminum at Various Doses. <i>Materials and Manufacturing Processes</i> , 1995 , 10, 171-182	4.1	5

115	Phase formation in the N-B-Ti system. <i>Vacuum</i> , 1995 , 46, 951-954	3.7	6
114	Ion-Surface Interactions: Collisional Sputtering, Thermal Sputtering, Ion-Beam Mixing, Compositional Change 1995 , 67-109		
113	Hydrogen permeation in amorphous-SiC/stainless steel bilayers. <i>Journal Physics D: Applied Physics</i> , 1994 , 27, 1687-1690	3	9
112	N+-implantation induced enhanced adhesion of amorphous-SiC films deposited on stainless steel. <i>Applied Physics Letters</i> , 1994 , 64, 977-979	3.4	7
111	Nitrogen-implantation induced enhanced adhesion of amorphous SiC films deposited on stainless steel and Cu. <i>Journal of Applied Physics</i> , 1994 , 76, 285-294	2.5	2
110	Surface and interface analysis of titanium nitride diffusion barriers. <i>Mikrochimica Acta</i> , 1994 , 114-115, 213-220	5.8	
109	Chemical and compositional changes induced by ion implantation in SiC and resulting hydrogen permeation properties. <i>Surface and Coatings Technology</i> , 1994 , 65, 45-56	4.4	10
108	Thermodynamic effects on ion-beam mixing in SiC-metal systems. <i>Surface and Interface Analysis</i> , 1994 , 21, 370-377	1.5	3
107	Electrical properties of DC reactively sputtered TiN thin films on p-silicon substrates. <i>Physica Status Solidi A</i> , 1994 , 143, K97-K101		1
106	Deposition by pulsed erosion of nickel and aluminum on copper. <i>Surface and Coatings Technology</i> , 1994 , 66, 300-304	4.4	6
105	Improvement in mechanical properties by ion implantation of SiC films deposited on steel and copper. <i>Surface and Coatings Technology</i> , 1994 , 66, 458-463	4.4	8
104	Synthesis and structural characterization of boron nitride thin films. <i>Thin Solid Films</i> , 1994 , 253, 78-84	2.2	11
103	Ion-beam mixing with chemical guidance part III: phase formation as a kinetic rather than thermodynamic phenomenon. <i>Thin Solid Films</i> , 1994 , 241, 192-197	2.2	13
102	Oxide growth at a Si surface. <i>Thin Solid Films</i> , 1994 , 241, 383-387	2.2	17
101	Oxide growth at a Si surface and role of radiation effects. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1994 , 91, 648-653	1.2	2
100	Laser-pulse sputtering of atoms and molecules Part II. Recondensation effects. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1994 , 91, 682-691	1.2	55
99	Laser-pulse sputtering of aluminum: Vaporization, boiling, superheating, and gas-dynamic effects. <i>Physical Review E</i> , 1994 , 50, 4716-4727	2.4	139
98	Ion-beam mixing with chemical guidance IV. Thermodynamic effects without invoking thermal spikes. <i>Surface Science</i> , 1994 , 314, 275-288	1.8	42

97	Thermodynamic effects in depth profiling and ion-beam mixing without invoking thermal spikes. <i>Applied Physics Letters</i> , 1994 , 64, 2649-2651	3.4	36
96	Chemical and compositional changes induced by N+ implantation in amorphous SiC films. <i>Journal of Applied Physics</i> , 1993 , 74, 2013-2020	2.5	39
95	Hydrogen dimerization process: A probe for investigation of the alpha -SiO ₂ structure. <i>Physical Review B</i> , 1993 , 47, 14187-14192	3.3	20
94	Elastic Properties of Sputtered Thin Films: Influence of Different Preparation Conditions. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 308, 95		1
93	STUDY OF HYDROGEN DIFFUSION BEHAVIOUR IN PVD DEPOSITED AND ION BOMBARDED THIN TiN FILM BARRIERS ON NUCLEAR GRADE 316 L STAINLESS STEEL 1993 , 196-200		1
92	Elastic behaviour of TiN thin films. <i>Thin Solid Films</i> , 1993 , 236, 209-213	2.2	9
91	Pulsed-laser sputtering of atoms and molecules. Part I: Basic solutions for gas-dynamic effects. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1993 , 57, 145-158		44
90	Composition changes in Ar+ and e ⁻ bombarded SiC: an attempt to distinguish ballistic and chemically guided effects. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1993 , 80-81, 931-937	1.2	14
89	Ion implantation and ion beam assisted deposition onto cemented tungsten carbide and sialon. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1993 , 80-81, 1097-1100	1.2	2
88	Composition changes in bombarded oxides and carbides: the distinction between ballistic, chemically guided, and chemically random behavior. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1993 , 80-81, 1154-1163	1.2	33
87	Metal-ion release from titanium and TiN coated implants in rat bone. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1993 , 79, 421-423	1.2	7
86	Spectroscopic characterization of thermally treated carbon-rich Si _{1-x} C _x films. <i>Thin Solid Films</i> , 1993 , 223, 114-121	2.2	64
85	On the debris phenomenon with laser-sputtered polymers. <i>Applied Physics Letters</i> , 1992 , 60, 2980-2982	3.4	43
84	Novel geometrical effects observed in debris when polymers are laser sputtered. <i>Applied Physics Letters</i> , 1992 , 61, 2784-2786	3.4	39
83	Ion-beam mixing with chemical guidance. <i>Surface Science</i> , 1992 , 268, 340-350	1.8	24
82	On the Role of a Defect Flux on the Redistribution of Silver Atoms in Silver-Nickel Multilayer Films under Ion Bombardment. <i>Physica Status Solidi A</i> , 1992 , 133, 25-31		
81	Structure and optical properties of TiN films prepared by dc sputtering and by ion beam assisted deposition. <i>Vacuum</i> , 1992 , 43, 459-462	3.7	21
80	A new model for the hydrogen dimerization in SiO ₂ . <i>Physica A: Statistical Mechanics and Its Applications</i> , 1992 , 191, 182-185	3.3	3

79	Primary and secondary mechanisms in laser-pulse sputtering. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1992 , 65, 187-199	1.2	85
78	Laser irradiation effects in Si ⁺ -implanted SiO ₂ . <i>Nuclear Instruments & Methods in Physics Research B</i> , 1992 , 65, 217-222	1.2	12
77	Defect diffusion in ion implanted glasses. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1992 , 65, 387-391	1.2	22
76	Ion-beam mixing with chemical guidance II: Analysis for positive heats of mixing. <i>Surface and Coatings Technology</i> , 1992 , 51, 343-351	4.4	21
75	Titanium nitride coatings obtained using new apparatus for ion beam assisted deposition. <i>Surface and Coatings Technology</i> , 1991 , 49, 150-154	4.4	16
74	On the application of Darken's analysis to ion-beam mixing. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1991 , 59-60, 517-522	1.2	22
73	Ion-beam mixing of Al-Fe multilayer films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1991 , 59-60, 541-544	1.2	7
72	A new model for dielectric relaxation and transport processes in mixed-alkali silicate glasses. <i>Journal of Physics Condensed Matter</i> , 1991 , 3, 623-629	1.8	2
71	Alkali-metal segregation at glass surfaces during electron irradiation. <i>Physical Review B</i> , 1991 , 43, 3831-3836	3.9	18
70	Sodium profiles in α -alumina crystals: Modifications induced by argon bombardment. <i>Radiation Effects and Defects in Solids</i> , 1991 , 118, 287-293	0.9	4
69	Ion Beam Induced Ni-Ag Mixing. <i>NATO ASI Series Series B: Physics</i> , 1991 , 687-691		1
68	Possible mechanism for Pb segregation at the solid-liquid aluminium interface. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1990 , 12, 813-830		1
67	Sodium transport in α -alumina crystals under argon ion bombardment. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1990 , 46, 107-110	1.2	11
66	Hydrogen analysis in sodium α -alumina implanted with argon ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1990 , 46, 152-155	1.2	3
65	Nanosecond laser pulses inducing melting of Si ⁺ -implanted SiO ₂ . <i>Journal of Physics Condensed Matter</i> , 1990 , 2, 2751-2755	1.8	1
64	Ionic conductivity in glass network. <i>Journal of Non-Crystalline Solids</i> , 1990 , 123, 321-323	3.9	6
63	Phenomenological aspects of electrical conductivity in binary and mixed alkali borate glasses. <i>Journal of Non-Crystalline Solids</i> , 1990 , 125, 302-307	3.9	7
62	The Soret effect in laser-irradiated quartz (liquid phase). <i>Journal of Physics Condensed Matter</i> , 1989 , 1, 3363-3367	1.8	6

61	Comment on Laser-induced reemission of silicon atoms implanted into quartz[J. Appl. Phys. 64, 3663 (1988)]. <i>Journal of Applied Physics</i> , 1989 , 66, 5659-5660	2.5	1
60	On the activation energy in radiation enhanced diffusion of silver in nickel. <i>Journal of Physics Condensed Matter</i> , 1989 , 1, 10619-10623	1.8	2
59	Transport processes in solids during ion implantation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1989 , 115, 1-10	5.3	11
58	Effects on the implanted profiles of point defect flux during nitrogen implantation in copper. <i>Applied Surface Science</i> , 1989 , 43, 237-241	6.7	2
57	Ionic conductivity in a network of silicate glasses: Extension of a previous model to three-component glasses. <i>Journal of Non-Crystalline Solids</i> , 1989 , 107, 283-288	3.9	3
56	Buried Optical Guide Formation 1989 , 1128, 117		4
55	Disorder, Randomness, and Amorphous Phases 1989 , 27-45		1
54	Radiation enhanced diffusion in glasses. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1988 , 32, 258-263	1.2	7
53	Enhanced diffusion processes during heavy ion irradiation of glasses. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1988 , 32, 315-317	1.2	13
52	Auger electron spectroscopy in glasses: Correlation effects. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1988 , 32, 318-320	1.2	2
51	Analysis of ionic conductivity in alkali and mixed-alkali aluminosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 1988 , 105, 307-312	3.9	4
50	A survey of existing theories and a new proposal regarding ionic conductivity in mixed-alkali silicate glasses. <i>Journal of Non-Crystalline Solids</i> , 1988 , 104, 211-218	3.9	10
49	Analysis of Transport Phenomena Occurring in Electron-Irradiated Sodium Alumina Crystals. <i>Materials Research Society Symposia Proceedings</i> , 1988 , 135, 505		
48	Surface effects controlling electron-stimulated oxidation of silicon. <i>Philosophical Magazine Letters</i> , 1987 , 55, 53-58	1	6
47	Physical aspects in glass surface analysis. <i>Journal of Non-Crystalline Solids</i> , 1987 , 95-96, 161-172	3.9	4
46	Ionic conductivity in binary alkali silicate system: A phenomenological model. <i>Journal of Non-Crystalline Solids</i> , 1987 , 94, 175-180	3.9	9
45	Ionic conductivity in mixed-alkali silicate glasses: A phenomenological model. <i>Journal of Non-Crystalline Solids</i> , 1987 , 94, 181-185	3.9	9
44	Mixed alkali effect in glasses: A new model using the thermodynamics of irreversible processes. <i>Journal of Non-Crystalline Solids</i> , 1987 , 95-96, 897-904	3.9	14

43	Thermal energy balances in ion implanted copper bars. <i>Physica Status Solidi A</i> , 1987 , 100, 53-57		1
42	microscopic structure of the solid-liquid interface of aluminum. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1987 , 9, 141-155		1
41	Intrinsic Johnson noise in a rf-SQUID: A numerical analysis. <i>IEEE Transactions on Magnetics</i> , 1987 , 23, 1090-1092		
40	Network relaxation processes governing alkali-metal transport in electron-irradiated glasses. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1987 , 19-20, 934-937	1.2	2
39	Characteristics of glass composition modification during heavy ion irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1987 , 19-20, 948-953	1.2	20
38	Analysis of temperature and enhanced diffusion effects in sputtering of CrSi ₂ . <i>Applied Physics A: Materials Science and Processing</i> , 1986 , 40, 85-89	2.6	
37	Estimation of the nonstructural contribution to the gibbs free energy of aluminum at melting. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1986 , 7, 854-858		1
36	Heavy ion irradiation of glasses: Enhanced diffusion and preferential sputtering of alkali elements. <i>Radiation Effects</i> , 1986 , 98, 101-108		20
35	Radiation effects in glasses. <i>Radiation Effects</i> , 1986 , 98, 39-54		37
34	Electric fields induced in alkali-containing glasses by electron irradiation. <i>Journal of Physics C: Solid State Physics</i> , 1986 , 19, L201-L206		1
33	A note on enhanced diffusion and desorption processes in electron-irradiated glasses. <i>Journal of Physics C: Solid State Physics</i> , 1986 , 19, 445-452		17
32	Microscopic mechanisms governing alkali-metal transport in electron-irradiated glasses. <i>Physical Review Letters</i> , 1986 , 56, 1940-1943	7.4	4
31	Effective temperature in the impact surface region during 100 keV Xe ⁺ implantation of copper bars. <i>Applied Physics A: Solids and Surfaces</i> , 1985 , 36, 139-141		7
30	Enhanced diffusion processes in Ar ⁺ implanted alkali-containing glasses. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1985 , 7-8, 517-520	1.2	16
29	Effects of preferential sputtering and enhanced diffusion processes on the evolution of La-implanted profile in Ni. <i>Journal of Applied Physics</i> , 1985 , 57, 2977-2979	2.5	
28	Cooperative transport effects in electron-irradiated glasses. <i>Physical Review Letters</i> , 1985 , 54, 1675-1678	7.4	24
27	Evidence of an enhanced diffusion process in electron-irradiated glasses: a critical analysis of available experimental and theoretical results. <i>Journal of Physics C: Solid State Physics</i> , 1984 , 17, 3009-3017		8
26	Pulsed laser treatment of La-implanted Ni single crystals. <i>Journal of Applied Physics</i> , 1984 , 55, 3773-3778	2.5	8

25	Alkali signal decay during auger analysis of dielectric solids: Secondary effect of desorption process. <i>Radiation Effects</i> , 1984 , 83, 271-277		14
24	Mobility and surface recombination processes of primary electrons in dielectric systems during Auger electron spectroscopy. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1984 , 103, 279-282	2.3	28
23	Alkali migration in ion irradiated glasses. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1984 , 1, 511-515	1.2	28
22	On the thermal effect of ion implantation. <i>Nuclear Instruments & Methods in Physics Research</i> , 1983 , 209-210, 1117-1120		6
21	Electron beam induced heat flow transient in aluminum. <i>Radiation Effects</i> , 1983 , 69, 1-17		8
20	Sputtering process during ion implantation in glasses: mathematical and physical analysis. <i>Journal of Physics C: Solid State Physics</i> , 1983 , 16, 221-228		26
19	Surface temperature increment during proton irradiation of soda-lime glasses. <i>Journal of Physics C: Solid State Physics</i> , 1983 , 16, 6329-6333		7
18	Enhanced diffusion processes during ion implantation: A numerical analysis. <i>Journal of Applied Physics</i> , 1983 , 54, 4235-4237	2.5	10
17	Energy loss from metallic systems during ion implantation. <i>Radiation Effects</i> , 1983 , 68, 179-185		
16	Liquid-amorphous phase transition in Si under nanosecond laser irradiating: Discussion of a simple thermal model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1983 , 98, 367-370	2.3	3
15	Field-assisted sodium migration in glasses during medium-energy proton irradiation. <i>Journal of Physics C: Solid State Physics</i> , 1982 , 15, 5623-5627		18
14	Numerical analysis of field-assisted sodium migration in electron-irradiated glasses. <i>Journal of Physics C: Solid State Physics</i> , 1982 , 15, 5615-5621		36
13	Role of thermal diffusion in the redistribution of Cu during pulsed laser irradiating of Cu-implanted Al. <i>Applied Physics Letters</i> , 1982 , 40, 135-137	3.4	15
12	New evidence for the Soret effect in pulsed laser experiments. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1982 , 87, 317-320	2.3	14
11	ALKALI MIGRATION IN GLASSES ON ELECTRON, PROTON AND HEAVIER ION IRRADIATIONS. <i>Journal De Physique Colloque</i> , 1982 , 43, C9-645-C9-648		3
10	Interplay of Soret vs. Normal Impurity Diffusion during Laser or E-Beam Induced Heat Flow Transients in Metals. <i>Materials Research Society Symposia Proceedings</i> , 1981 , 4, 425		
9	Mazzoldi et al. Respond. <i>Physical Review Letters</i> , 1981 , 46, 1251-1251	7.4	2
8	A simple mathematical and physical analysis of non-equilibrium segregation effects in a freezing liquid aluminum layer after a nanosecond laser pulse irradiation. <i>Radiation Effects</i> , 1981 , 55, 235-242		4

7	Electrochemical and corrosion behaviour of laser modified aluminium surfaces. <i>Electrochimica Acta</i> , 1980 , 25, 1497-1499	6.7	23
6	Laser irradiation effects on high dose implanted Cu and Pb in polycrystalline aluminum. <i>Radiation Effects</i> , 1980 , 46, 133-139		21
5	Heat flow in an aluminium sample undergoing melting and resolidification under irradiation by a nanosecond laser pulse. <i>Radiation Effects</i> , 1980 , 53, 7-17		24
4	Formation of a Noncrystalline Phase in Aluminum Irradiated with a Pulsed Ruby Laser. <i>Physical Review Letters</i> , 1980 , 44, 88-91	7.4	40
3	Simple approximate analytical expressions for the liquid-solid interface motion and heating and cooling rates in an Al sample irradiated by a nanosecond laser pulse. <i>Radiation Effects</i> , 1980 , 53, 19-24		16
2	Pulsed Laser Deposition of Carbon Films: Tailoring Structure and Properties 359-380		2
1	Morphological and Elemental Investigations on CoFeB ₂ O ₄ Thin Films Deposited by Pulsed Laser Deposition for Alkaline Water Oxidation: Charge Exchange Efficiency as the Prevailing Factor in Comparison with the Adsorption Process. <i>Catalysis Letters</i> , 1	2.8	0