Peter Schaaf

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6,660 62 367 39 h-index g-index citations papers 7,488 409 3.9 5.91 L-index avg, IF ext. citations ext. papers

#	Paper	IF	Citations
367	Laser nitriding of metals. <i>Progress in Materials Science</i> , 2002 , 47, 1-161	42.2	257
366	A Near Infrared Light Triggered Hydrogenated Black TiO2 for Cancer Photothermal Therapy. <i>Advanced Healthcare Materials</i> , 2015 , 4, 1526-36	10.1	213
365	Slightly hydrogenated TiO2 with enhanced photocatalytic performance. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12708-12716	13	164
364	Paleogene continental margin truncation in southwestern Mexico: Geochronological evidence. <i>Tectonics</i> , 1995 , 14, 1339-1350	4.3	153
363	Geochemical Evidence for Mantle Origin and Crustal Processes in Volcanic Rocks from PopocatBetl and Surrounding Monogenetic Volcanoes, Central Mexico. <i>Journal of Petrology</i> , 2005 , 46, 1243-1282	3.9	134
362	Understanding the fast lithium storage performance of hydrogenated TiO2 nanoparticles. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 14507	13	116
361	The new cubic iron-nitride phase FeN prepared by reactive magnetron sputtering. <i>Journal of Alloys and Compounds</i> , 1998 , 274, 74-82	5.7	109
360	Nanoporous gold nanoparticles. Journal of Materials Chemistry, 2012, 22, 5344		98
359	New insights into the history and origin of the southern Maya block, SE M\(\mathbb{N}\)ico: U\(\mathbb{P}\)b\(\mathbb{B}\)HRIMP zircon geochronology from metamorphic rocks of the Chiapas massif. International Journal of Earth Sciences, 2007, 96, 253-269	2.2	90
358	Formation of precise 2D Au particle arrays via thermally induced dewetting on pre-patterned substrates. <i>Beilstein Journal of Nanotechnology</i> , 2011 , 2, 318-26	3	89
357	Crystallization behaviour of amorphous Fe73.5Cu1Nb3Si13.5B9. <i>Journal of Physics Condensed Matter</i> , 1992 , 4, 10295-10310	1.8	82
356	Radiocarbon ages of Holocene Pelado, Guespalapa, and Chichinautzin scoria cones, south of Mexico City: implications for archaeology and future hazards. <i>Bulletin of Volcanology</i> , 2004 , 66, 203-225	2.4	80
355	Tertiary arc-magmatism of the Sierra Madre del Sur, Mexico, and its transition to the volcanic activity of the Trans-Mexican Volcanic Belt. <i>Journal of South American Earth Sciences</i> , 1999 , 12, 513-535	2	77
354	Geochemistry, SrNd isotope composition, and tectonic setting of Holocene Pelado, Guespalapa and Chichinautzin scoria cones, south of Mexico City. <i>Journal of Volcanology and Geothermal Research</i> , 2004 , 130, 197-226	2.8	75
353	Characterization of laser-nitrided iron and sputtered iron nitride films. <i>Hyperfine Interactions</i> , 1995 , 95, 199-225	0.8	71
352	87Sr/86Sr from rock and soil into vine and wine. <i>Zeitschrift Fur Lebensmittel-Untersuchung Und -Forschung</i> , 1993 , 196, 407-409		69
351	On the interpretation of the mssbauer spectra of ordered Fe?Si alloys. <i>Physica Status Solidi A</i> , 1993 , 139, 309-320		68

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350	Towards smooth and pure iron nanowires grown by electrodeposition in self-organized alumina membranes. <i>Acta Materialia</i> , 2010 , 58, 2330-2337	8.4	67
349	Significance of Provenance Ages from the Chiapas Massif Complex (Southeastern Mexico): Redefining the Paleozoic Basement of the Maya Block and Its Evolution in a Peri-Gondwanan Realm. <i>Journal of Geology</i> , 2008 , 116, 619-639	2	67
348	Irradiation effects in Ag-Fe bilayers: Ion-beam mixing, recrystallization, and surface roughening. <i>Physical Review B</i> , 1996 , 53, 14795-14805	3.3	66
347	Composition and Sm-Nd isotopic data of the lower crust beneath San Luis Potos Central Mexico: Evidence from a granulite-facies xenolith suite. <i>Chemical Geology</i> , 1994 , 118, 63-84	4.2	62
346	Influence of the spatial laser intensity distribution on laser nitriding of iron. <i>Journal of Applied Physics</i> , 1999 , 86, 168-178	2.5	55
345	Controlled formation of surface layers by pack aluminization. <i>Surface and Coatings Technology</i> , 1998 , 106, 209-213	4.4	54
344	Mssbauer study of iron carbides: Cementite (Fe, M)3C (M = Cr, Mn) with various manganese and chromium contents. <i>Acta Metallurgica Et Materialia</i> , 1992 , 40, 373-379		54
343	Pre-Miocene palaeogeography of the Los Cabos Block, Baja California Sur: geochronological and palaeomagnetic constraints. <i>Tectonophysics</i> , 2000 , 318, 53-69	3.1	53
342	Material transport during excimer-laser nitriding of iron. <i>Journal of Applied Physics</i> , 1998 , 83, 2907-2914	2.5	53
341	Simultaneous conversion electron, conversion X-ray and transmission MBsbauer spectroscopy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1991 , 53, 184-186	1.2	51
340	A Late Permian Tectonothermal Event in Grenville Crust of the Southern Maya Terrane: U-Pb Zircon Ages from the Chiapas Massif, Southeastern Mexico. <i>International Geology Review</i> , 2005 , 47, 509-529	2.3	50
339	Ordered arrays of nanoporous gold nanoparticles. Beilstein Journal of Nanotechnology, 2012 , 3, 651-7	3	48
338	Solid-state dewetting for fabrication of metallic nanoparticles and influences of nanostructured substrates and dealloying. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013 , 210, 1544-1	5 5 9	48
337	The Maya-Chort Boundary: A Tectonostratigraphic Approach. <i>International Geology Review</i> , 2007 , 49, 996-1024	2.3	48
336	A review of batholiths and other plutonic intrusions of Mexico. <i>Gondwana Research</i> , 2014 , 26, 834-868	5.1	47
335	Sr, Nd and Pb isotope and geochemical data from the Quaternary Nevado de Toluca volcano, a source of recent adakitic magmatism, and the Tenango Volcanic Field, Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2004 , 138, 77-110	2.8	46
334	Characterization of magnetron-sputtered [Iron-nitride films. <i>Journal of Alloys and Compounds</i> , 1996 , 237, 81-88	5.7	46
333	NiAu bi-metallic nanoparticles formed via dewetting. <i>Materials Letters</i> , 2012 , 70, 30-33	3.3	44

332	Nanoporous Gold Nanoparticles and Au/AlO Hybrid Nanoparticles with Large Tunability of Plasmonic Properties. <i>ACS Applied Materials & District Research</i> , 9, 6273-6281	9.5	43
331	Glow discharge optical emission spectroscopy for accurate and well resolved analysis of coatings and thin films. <i>Thin Solid Films</i> , 2011 , 520, 1660-1667	2.2	43
330	Ion-beam mixing of Ag/Fe and In/Fe layers studied by hyperfine techniques. <i>Physical Review B</i> , 1996 , 53, 10237-10243	3.3	41
329	Optical Plasmons of Individual Gold Nanosponges. <i>ACS Photonics</i> , 2015 , 2, 1436-1442	6.3	39
328	Iron nitrides and laser nitriding of steel 1998 , 111, 113-119		39
327	Study of nanocrystalline and amorphous powders prepared by mechanical alloying. <i>Hyperfine Interactions</i> , 1994 , 94, 2239-2244	0.8	38
326	Substitutionally Dispersed High-Oxidation CoOx Clusters in the Lattice of Rutile TiO2 Triggering Efficient Co?Ti Cooperative Catalytic Centers for Oxygen Evolution Reactions. <i>Advanced Functional Materials</i> , 2021 , 31, 2009610	15.6	38
325	Solid-state dewetting of Au/Ni bilayers: The effect of alloying on morphology evolution. <i>Journal of Applied Physics</i> , 2014 , 116, 044307	2.5	37
324	The aquatic and semiaquatic biota in Miocene amber from the Campo LA Granja mine (Chiapas, Mexico): Paleoenvironmental implications. <i>Journal of South American Earth Sciences</i> , 2015 , 62, 243-256	2	36
323	Growth of FeSi2 films via noble-gas ion-beam mixing of Fe/Si bilayers. <i>Journal of Applied Physics</i> , 2001 , 90, 4474-4484	2.5	36
322	Refining the age of magmatism in the Altos Cuchumatanes, western Guatemala, by LAICPMS, and tectonic implications. <i>International Geology Review</i> , 2010 , 52, 977-998	2.3	35
321	Thermal dewetting of thin Au films deposited onto line-patterned substrates. <i>Journal of Materials Science</i> , 2012 , 47, 1605-1608	4.3	34
320	Xenon-ion[hduced phase transition in thin Co films. Europhysics Letters, 2003, 64, 668-674	1.6	34
319	Ion-beam mixing in Fe/Si bilayers by singly and highly charged ions: evolution of phases, spike mechanism and possible effects of the ion-charge state. <i>Applied Physics A: Materials Science and Processing</i> , 2003 , 76, 773-780	2.6	34
318	Formation of Fe3C surface layers by laser plasma cementation. <i>Applied Physics Letters</i> , 2002 , 80, 891-89	33.4	34
317	Mesoscopically Bi-continuous AgAu Hybrid Nanosponges with Tunable Plasmon Resonances as Bottom-Up Substrates for Surface-Enhanced Raman Spectroscopy. <i>Chemistry of Materials</i> , 2016 , 28, 767	7 3- 768	2 ³⁴
316	Marangoni Convection during Free Electron Laser Nitriding of Titanium. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2009 , 40, 497-507	2.5	32
315	CO2laser nitriding of titanium. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 085208	3	32

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314	Towards the synthesis of MAX-phase functional coatings by pulsed laser deposition. <i>Applied Surface Science</i> , 2007 , 254, 1232-1235	6.7	32
313	Interface mixing and phase transformations in Xe-ion-irradiated Co/Fe bilayers. <i>Applied Physics Letters</i> , 2004 , 84, 3915-3917	3.4	32
312	Origin of nitrogen depth profiles after laser nitriding of iron. <i>Applied Physics Letters</i> , 1999 , 74, 153-155	3.4	32
311	Search for giant magnetic moments in ion-beam-synthesized & Fe16N2. Thin Solid Films, 1996, 279, 216-	220	32
310	Two-dimensional nanoparticle arrays formed by dewetting of thin gold films deposited on pre-patterned substrates. <i>Journal of Materials Science: Materials in Electronics</i> , 2011 , 22, 1067-1070	2.1	31
309	Laser nitriding: investigations on the model system TiN. A review. <i>Heat and Mass Transfer</i> , 2011 , 47, 519	9- <u>5.4</u> 0	31
308	Determination of spin distributions in ion-beam magnetic textured iron films by magnetic orientation MBsbauer spectroscopy. <i>Applied Physics Letters</i> , 2003 , 82, 73-75	3.4	31
307	Laser nitriding of iron with laser pulses from femtosecond to nanosecond pulse duration. <i>Applied Physics Letters</i> , 2002 , 80, 1091-1093	3.4	31
306	The production of the new cubic FeN phase by reactive magnetron sputtering. <i>Applied Surface Science</i> , 1999 , 138-139, 261-265	6.7	30
305	Ordered arrays of nanoporous silicon nanopillars and silicon nanopillars with nanoporous shells. <i>Nanoscale Research Letters</i> , 2013 , 8, 42	5	28
304	Late Pleistocene: Holocene record of environmental changes in Lake Zirahuen, Central Mexico. <i>Journal of Paleolimnology</i> , 2010 , 44, 745-760	2.1	28
303	Strontium and neodymium isotopic study of Libyan Desert Glass: Inherited Pan-African age signatures and new evidence for target material. <i>Meteoritics and Planetary Science</i> , 2002 , 37, 565-576	2.8	28
302	Simultaneous Triple Radiation Missbauer Spectroscopy (STRMS). <i>Hyperfine Interactions</i> , 1991 , 66, 95-100	0 0.8	28
301	Long-lived electron emission reveals localized plasmon modes in disordered nanosponge antennas. <i>Light: Science and Applications</i> , 2017 , 6, e17075	16.7	27
300	Reactive surface processing by irradiation with excimer laser, Nd:YAG laser, free electron laser and Ti:sapphire laser in nitrogen atmosphere. <i>Applied Surface Science</i> , 2002 , 186, 195-199	6.7	27
299	The Chiapas Massif (Mexico) revised: New geologic and isotopic data and basement characteristics. Neues Jahrbuch Fur Geologie Und Palaontologie - Abhandlungen, 2002, 225, 1-23	1.1	27
298	Plasma Hydrogenated TiO2/Nickel Foam as an Efficient Bifunctional Electrocatalyst for Overall Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 885-894	8.3	27
297	Properties of sputtered TiO2 thin films as a function of deposition and annealing parameters. <i>Physica B: Condensed Matter</i> , 2015 , 463, 20-25	2.8	26

296	Nanostructured plasma etched, magnetron sputtered nanolaminar Cr2AlC MAX phase thin films. <i>Applied Surface Science</i> , 2014 , 292, 997-1001	6.7	26
295	Free-electron laser surface processing of titanium in nitrogen atmosphere. <i>Applied Surface Science</i> , 2005 , 247, 307-312	6.7	26
294	Whiskers growth in thin passivated Au films. <i>Acta Materialia</i> , 2018 , 149, 154-163	8.4	25
293	Fabrication of hollow gold nanoparticles by dewetting, dealloying and coarsening. <i>Acta Materialia</i> , 2016 , 102, 108-115	8.4	25
292	Formation of Ti2AlN nanolaminate films by multilayer-deposition and subsequent rapid thermal annealing. <i>Materials Letters</i> , 2012 , 82, 74-77	3.3	25
291	Lithospheric Removal as a Trigger for Flood Basalt Magmatism in the Trans-Mexican Volcanic Belt. Journal of Petrology, 2009 , 50, 2157-2186	3.9	25
290	Experience with a toroidal proportional detector for backscattered MBsbauer Frays and X-rays. <i>Hyperfine Interactions</i> , 1990 , 58, 2541-2545	0.8	25
289	Hierarchically-Designed 3D Flower-Like Composite Nanostructures as an Ultrastable, Reproducible, and Sensitive SERS Substrate. <i>ACS Applied Materials & Design Sensitive</i> , 9, 38854-38862	9.5	24
288	Solid-state dewetting of single- and bilayer Au-W thin films: Unraveling the role of individual layer thickness, stacking sequence and oxidation on morphology evolution. <i>AIP Advances</i> , 2016 , 6, 035109	1.5	24
287	Influence of ion implantation on the magnetic properties of thin FeCo films. <i>Journal of Applied Physics</i> , 2005 , 97, 073911	2.5	24
286	Variation of the mechanical properties of pulsed laser deposited PMMA films during annealing. <i>Applied Physics A: Materials Science and Processing</i> , 2004 , 79, 1295-1297	2.6	24
285	4f and 5d magnetic moments in highly correlated [Ce/La/Fe] and [La/Ce/Fe] multilayers studied by x-ray magnetic circular dichroism. <i>Physical Review B</i> , 1998 , 57, 2174-2187	3.3	24
284	Microstructure of TiN coatings synthesized by direct pulsed Nd:YAG laser nitriding of titanium: Development of grain size, microstrain, and grain orientation. <i>Applied Physics A: Materials Science and Processing</i> , 2008 , 91, 305-314	2.6	23
283	Reactive laser synthesis of carbides and nitrides. <i>Applied Surface Science</i> , 2005 , 247, 607-615	6.7	23
282	Laser nitriding of iron by excimer laser irradiation in air and N2 gas. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1995 , 197, L1-L4	5.3	23
281	Structural changes during Ar-ion irradiation of laser-deposited Fe/Ag multilayers. <i>Applied Physics A: Materials Science and Processing</i> , 1995 , 61, 591-594	2.6	23
280	Grenvillian massif-type anorthosite suite in Chiapas, Mexico: Magmatic to polymetamorphic evolution of anorthosites and their Ti-Fe ores. <i>Precambrian Research</i> , 2017 , 295, 203-226	3.9	22
279	Influence of Copper Addition and Temperature on the Kinetics of Austempering in Ductile Iron. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2010, 41, 1052-1058	2.5	22

278	Thermal stability of laser-produced iron nitrides. <i>Journal of Applied Physics</i> , 2001 , 89, 4619-4624	2.5	22
277	TiN-coating formation by pulsed Nd:YAG laser irradiation of titanium in nitrogen 2008 , 5, 505-512		21
276	Ion-beam-induced magnetic texturing of thin nickel films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2000 , 161-163, 1016-1021	1.2	21
275	Calculation of the temperature profile for laser treatment of metallic samples. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1992 , 150, 271-280	5.3	21
274	Magnetic Textures in Thin Ion-Irradiated Ni and Fe Films. Acta Physica Polonica A, 2001, 100, 751-760	0.6	21
273	Plasmonic Horizon in Gold Nanosponges. <i>Nano Letters</i> , 2018 , 18, 1269-1273	11.5	20
272	Formation of supersaturated Au N i nanoparticles via dewetting of an Au/Ni bilayer. <i>Materials Letters</i> , 2013 , 102-103, 22-25	3.3	20
271	Synchronous Formation of ZnO/ZnS Core/Shell Nanotube Arrays with Removal of Template for Meliorating Photoelectronic Performance. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 1575-1582	3.8	20
270	Geochemical and isotopic profile of Pico de Orizaba (Citlaltþetl) volcano, Mexico: Insights for magma generation processes. <i>Journal of Volcanology and Geothermal Research</i> , 2010 , 197, 108-122	2.8	20
269	Laser pulse structure dependent texture of FEL synthesized TiNxcoatings. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 818-825	3	20
268	Magnetic modifications of thin CoFe films induced by Xe+-ion irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2004 , 216, 350-354	1.2	20
267	Magnetic texturing of xenon-ion irradiated nickel films. <i>European Physical Journal B</i> , 2004 , 42, 193-204	1.2	20
266	Ion-beam induced changes in magnetic and microstructural properties of thin iron films. <i>European Physical Journal B</i> , 2005 , 48, 449-462	1.2	20
265	MBsbauer study of iron carbides: mixed carbides M7C3 and M23C6. <i>Acta Metallurgica Et Materialia</i> , 1994 , 42, 3077-3081		20
264	Tuning the nanoscale morphology and optical properties of porous gold nanoparticles by surface passivation and annealing. <i>Acta Materialia</i> , 2017 , 127, 108-116	8.4	19
263	Dietary adaptability of Late Pleistocene Equus from West Central Mexico. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016 , 441, 748-757	2.9	19
262	Influence of the substrate on the morphological evolution of gold thin films during solid-state dewetting. <i>Applied Surface Science</i> , 2016 , 388, 475-482	6.7	19
261	Surface-Enhanced Raman Scattering (SERS) Substrate Based on Large-Area Well-Defined Gold Nanoparticle Arrays with High SERS Uniformity and Stability. <i>ChemPlusChem</i> , 2014 , 79, 1622-1630	2.8	19

260	Tribological behavior of selected Mn + 1AXn phase thin films on silicon substrates. <i>Surface and Coatings Technology</i> , 2014 , 257, 286-294	4.4	19
259	The 1793 eruption of San Martil Tuxtla volcano, Veracruz, Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2010 , 197, 188-208	2.8	19
258	FEM simulation of the laser plasma interaction during laser nitriding of titanium. <i>Applied Surface Science</i> , 2007 , 254, 888-892	6.7	19
257	Free electron laser nitriding of metals: From basis physics to industrial applications. <i>Applied Surface Science</i> , 2007 , 253, 8041-8044	6.7	19
256	Surface treatment of TiBAlAV alloy by rf plasma nitriding. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 396003	1.8	19
255	Modeling of nitrogen depth profiles in iron after nitriding with a homogenized laser beam. <i>Applied Physics Letters</i> , 2000 , 77, 2412-2414	3.4	19
254	A simple six-input multichannel system for MBsbauer spectroscopy. <i>Hyperfine Interactions</i> , 1994 , 92, 1189-1193	0.8	19
253	Magnetic properties of multicore magnetite nanoparticles prepared by glass crystallisation. <i>Journal of Materials Science</i> , 2013 , 48, 2299-2307	4.3	18
252	El Ventorrillo, a paleostructure of Popocatpetl volcano: insights from geochronology and geochemistry. <i>Bulletin of Volcanology</i> , 2015 , 77, 1	2.4	18
251	Facet-controlled phase separation in supersaturated Au-Ni nanoparticles upon shape equilibration. <i>Applied Physics Letters</i> , 2015 , 107, 073109	3.4	18
250	Bonding of low temperature co-fired ceramics to copper and to ceramic blocks by reactive aluminum/nickel multilayers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012 , 209, 512-	·5 ¹ 18	18
249	U-Pb zircon geochronology of Palaeozoic units in Western and Central Guatemala: insights into the tectonic evolution of Middle America. <i>Geological Society Special Publication</i> , 2009 , 328, 295-313	1.7	18
248	Synthesis of highly oriented TiNx coatings by free-electron laser processing of titanium in nitrogen gas. <i>Applied Physics A: Materials Science and Processing</i> , 2005 , 80, 1707-1710	2.6	18
247	Mass transport mechanisms during excimer laser nitriding of aluminum. <i>Physical Review B</i> , 2002 , 65,	3.3	18
246	Perturbed angular correlation study of the thiospinel Ih2S3. <i>Physical Review B</i> , 1998 , 58, 11303-11312	3.3	18
245	Multiple metamorphic events in the Palaeozoic MĒida Andes basement, Venezuela: insights from UBb geochronology and Hftld isotope systematics. <i>International Geology Review</i> , 2019 , 61, 1557-1593	2.3	18
244	Copper-MAX-phase composite coatings obtained by electro-co-deposition: A promising material for electrical contacts. <i>Surface and Coatings Technology</i> , 2017 , 321, 219-228	4.4	17
243	Nonlinear plasmon-exciton coupling enhances sum-frequency generation from a hybrid metal/semiconductor nanostructure. <i>Nature Communications</i> , 2020 , 11, 1464	17.4	17

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242	Effect of 2D photonic structure patterned in the LED surface on emission properties. <i>Applied Surface Science</i> , 2013 , 269, 161-165	6.7	17
241	Electrochemical performance of nanoporous Si as anode for lithium ion batteries in alkyl carbonate and ionic liquid-based electrolytes. <i>Journal of Applied Electrochemistry</i> , 2014 , 44, 159-168	2.6	17
240	Deformation behavior of Au/Ti multilayers under indentation. <i>Journal of Materials Science:</i> Materials in Electronics, 2012 , 23, 1077-1082	2.1	17
239	Late Holocene palaeoecology of Lago Verde: evidence of human impact and climate change in the northern limit of the neotropics during the late formative and classic periods. <i>Vegetation History and Archaeobotany</i> , 2010 , 19, 177-190	2.6	17
238	Phase composition of steel@namel interfaces: Effects of chemical pre-treatment. <i>Surface and Coatings Technology</i> , 2006 , 201, 1836-1844	4.4	17
237	Laser nitriding of iron: influence of the spatial laser intensity distribution. <i>Applied Surface Science</i> , 1999 , 138-139, 266-270	6.7	17
236	Phase investigation in laser surface alloyed steels with TiC. Journal of Materials Science, 1995, 30, 1849-	1,8,5,3	17
235	Size effect on mechanical behavior of Al/Si3N4 multilayers by nanoindentation. <i>Materials Science & Materials Science and Processing A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 644, 275-283	5.3	16
234	Photonic crystal and photonic quasicrystal patterned in PDMS surfaces and their effect on LED radiation properties. <i>Applied Surface Science</i> , 2017 , 395, 220-225	6.7	16
233	Interface structure of Fe/Ag multilayers prepared by pulsed laser deposition. <i>Physical Review B</i> , 2003 , 67,	3.3	16
232	Laser nitriding of iron: Influence of the laser parameters on the nitriding efficiency. <i>Applied Physics A: Materials Science and Processing</i> , 1996 , 62, 231-236	2.6	16
231	Synthesis and characterization of Ti/Al reactive multilayer films with various molar ratios. <i>Thin Solid Films</i> , 2017 , 631, 99-105	2.2	15
230	Plasmonic nanosponges. Advances in Physics: X, 2018 , 3, 1456361	5.1	15
229	Growth control of AgTCNQ nanowire arrays by using a template-assisted electro-deposition method. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 8003	7.1	15
228	Characterization of magnetron-sputtered chromium and iron nitride films. <i>Surface and Coatings Technology</i> , 1997 , 93, 32-36	4.4	15
227	Laser nitriding of iron and aluminum. <i>Applied Surface Science</i> , 2002 , 186, 100-104	6.7	15
226	Europium doping of c-BN and ta-C thin films. <i>Diamond and Related Materials</i> , 2003 , 12, 1182-1185	3.5	15
225	Structure and anisotropy of epitaxial fcc FePt films. <i>Applied Surface Science</i> , 2007 , 253, 8107-8110	6.7	14

224	Nature and P-T Conditions of the Crust Beneath the Central Mexican Volcanic Belt Based on a Precambrian Crustal Xenolith. <i>International Geology Review</i> , 2002 , 44, 222-242	2.3	14
223	Depth selective analysis of phases and spin textures in amorphous, nanocrystalline and crystalline ribbons treated with an excimer laser. <i>Journal Physics D: Applied Physics</i> , 1993 , 26, 870-879	3	14
222	Surface phase analysis by conversion X-ray and conversion electron MBsbauer spectroscopy. <i>FreseniusdJournal of Analytical Chemistry</i> , 1991 , 341, 131-135		14
221	GEOCHRONOLOGICAL AND GEOCHEMICAL INVESTIGATIONS ON PLUTONIC ROCKS FROM THE COMPLEX OF PUERTO VALLARTA, SIERRA MADRE DEL SUR. <i>Geofisica International</i> , 1988 , 27, 519-542	0.4	14
220	NiCo2O4@Ni2P nanorods grown on nickel nanorod arrays as a bifunctional catalyst for efficient overall water splitting. <i>Materials Today Energy</i> , 2020 , 17, 100490	7	14
219	Disordered surface formation of WS2via hydrogen plasma with enhanced anode performances for lithium and sodium ion batteries. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 865-874	5.8	13
218	Aluminum-doped ZnO thin films deposited on flat and nanostructured glass substrates: Quality and performance for applications in organic solar cells. <i>Solar Energy</i> , 2018 , 172, 219-224	6.8	13
217	Approaching Gas Phase Electrodeposition: Process and Optimization to Enable the Self-Aligned Growth of 3D Nanobridge-Based Interconnects. <i>Advanced Materials</i> , 2016 , 28, 1770-9	24	13
216	Fabrication of N-doped TiO2 coatings on nanoporous Si nanopillar arrays through biomimetic layer by layer mineralization. <i>Dalton Transactions</i> , 2014 , 43, 8480-5	4.3	13
215	GaAs-FeBi core-shell nanowires: nanobar magnets. <i>Nano Letters</i> , 2013 , 13, 6203-9	11.5	13
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