

# Alex A Volinsky

## List of Publications by Citations

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397  
papers

7,424  
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39  
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65  
g-index

411  
ext. papers

8,800  
ext. citations

4  
avg, IF

6.24  
L-index

#	Paper	IF	Citations
397	Interfacial toughness measurements for thin films on substrates. <i>Acta Materialia</i> , <b>2002</b> , 50, 441-466	8.4	491
396	Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles synthesis from tailings by ultrasonic chemical co-precipitation. <i>Materials Letters</i> , <b>2011</b> , 65, 1882-1884	3.3	267
395	Fracture toughness, adhesion and mechanical properties of low-K dielectric thin films measured by nanoindentation. <i>Thin Solid Films</i> , <b>2003</b> , 429, 201-210	2.2	237
394	Crosslinking effect on polydimethylsiloxane elastic modulus measured by custom-built compression instrument. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	213
393	Heat treatment effects on microstructure and magnetic properties of Mn <sub>2</sub> N ferrite powders. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2010</b> , 322, 173-177	2.8	179
392	Nanomechanical properties of TiO <sub>2</sub> granular thin films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 2629-36	9.5	91
391	Microstructure, residual stress, and fracture of sputtered TiN films. <i>Surface and Coatings Technology</i> , <b>2013</b> , 224, 120-125	4.4	84
390	Nanostructured ion beam-modified Ge films for high capacity Li ion battery anodes. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 083111	3.4	79
389	Iron-based soft magnetic composites with Mn <sub>2</sub> N ferrite nanoparticles coating obtained by sol-gel method. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2012</b> , 324, 3899-3905	2.8	79
388	Nanoindentation-induced defect-interface interactions: phenomena, methods and limitations. <i>Acta Materialia</i> , <b>1999</b> , 47, 4115-4123	8.4	78
387	Immobilization mechanism of Pb in fly ash-based geopolymer. <i>Construction and Building Materials</i> , <b>2017</b> , 134, 123-130	6.7	73
386	Nanoindentation of Au and Pt/Cu thin films at elevated temperatures. <i>Journal of Materials Research</i> , <b>2004</b> , 19, 2650-2657	2.5	73
385	Annealing effects on magnetic properties of silicone-coated iron-based soft magnetic composites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2012</b> , 324, 818-822	2.8	72
384	Giant magnetoelectric effect in Ni-lead zirconium titanate cylindrical structure. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 052904	3.4	71
383	Brittle film-induced cracking of ductile substrates. <i>Acta Materialia</i> , <b>2015</b> , 99, 273-280	8.4	67
382	One pot solution combustion synthesis of highly mesoporous hematite for photocatalysis. <i>Ceramics International</i> , <b>2015</b> , 41, 2806-2812	5.1	66
381	Annealing effects on microstructure and mechanical properties of chromium oxide coatings. <i>Thin Solid Films</i> , <b>2008</b> , 516, 4685-4689	2.2	64

380	Nanoindentation techniques for assessing mechanical reliability at the nanoscale. <i>Microelectronic Engineering</i> , <b>2003</b> , 69, 519-527	2.5	64
379	Heat treatment effects on Fe <sub>3</sub> O <sub>4</sub> nanoparticles structure and magnetic properties prepared by carbothermal reduction. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 2316-2319	5.7	61
378	Aging behavior and precipitates analysis of the Cu-Cr-Zr-Ti alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2016</b> , 650, 248-253	5.3	58
377	MgH <sub>2</sub> dehydrogenation properties improved by MnFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Journal of Power Sources</i> , <b>2013</b> , 239, 201-206	8.9	58
376	Rare earth elements recycling from waste phosphor by dual hydrochloric acid dissolution. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 272, 96-101	12.8	55
375	Processing maps for the Cu-Cr-Zr-Y alloy hot deformation behavior. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2016</b> , 662, 320-329	5.3	54
374	Initial formation of corrosion products on pure zinc in saline solution. <i>Bioactive Materials</i> , <b>2019</b> , 4, 87-96	16.7	54
373	Duplex stainless steel passive film electrical properties studied by in situ current sensing atomic force microscopy. <i>Corrosion Science</i> , <b>2014</b> , 78, 55-62	6.8	53
372	Dehydrogenation Improvement of LiAlH <sub>4</sub> Catalyzed by Fe <sub>2</sub> O <sub>3</sub> and Co <sub>2</sub> O <sub>3</sub> Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 18343-18352	3.8	53
371	Film thickness effect on texture and residual stress sign transition in sputtered TiN thin films. <i>Ceramics International</i> , <b>2017</b> , 43, 11992-11997	5.1	50
370	Initial formation of corrosion products on pure zinc in simulated body fluid. <i>Journal of Materials Science and Technology</i> , <b>2018</b> , 34, 2271-2282	9.1	50
369	Cu-Doped ZnO Electronic Structure and Optical Properties Studied by First-Principles Calculations and Experiments. <i>Materials</i> , <b>2019</b> , 12,	3.5	49
368	Challenges in legislation, recycling system and technical system of waste electrical and electronic equipment in China. <i>Waste Management</i> , <b>2015</b> , 45, 361-73	8.6	46
367	Long-term in vivo study of biodegradable Zn-Cu stent: A 2-year implantation evaluation in porcine coronary artery. <i>Acta Biomaterialia</i> , <b>2019</b> , 97, 657-670	10.8	46
366	Influences of albumin on in vitro corrosion of pure Zn in artificial plasma. <i>Corrosion Science</i> , <b>2019</b> , 153, 341-356	6.8	44
365	Microstructure and mechanical properties of chromium oxide coatings. <i>Journal of Materials Research</i> , <b>2007</b> , 22, 3531-3537	2.5	44
364	Aluminum powder size and microstructure effects on properties of boron nitride reinforced aluminum matrix composites fabricated by semi-solid powder metallurgy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2015</b> , 646, 306-314	5.3	42
363	Interfacial Microstructure of Chromium Oxide Coatings. <i>Advanced Engineering Materials</i> , <b>2007</b> , 9, 594-599	9.5	42

362	La <sub>2</sub> O <sub>3</sub> effects on TZM alloy recovery, recrystallization and mechanical properties. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2015</b> , 636, 415-420	5.3	41
361	Arc erosion behavior of the Al <sub>2</sub> O <sub>3</sub> -Cu/(W, Cr) electrical contacts. <i>Composites Part B: Engineering</i> , <b>2019</b> , 160, 110-118	10	41
360	Stainless steel pitting and early-stage stress corrosion cracking under ultra-low elastic load. <i>Corrosion Science</i> , <b>2013</b> , 77, 360-368	6.8	40
359	Significantly improved dehydrogenation of ball-milled MgH <sub>2</sub> doped with CoFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Journal of Power Sources</i> , <b>2014</b> , 268, 778-786	8.9	39
358	NiFe <sub>2</sub> O <sub>4</sub> Nanoparticles Catalytic Effects of Improving LiAlH <sub>4</sub> Dehydrogenation Properties. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 25917-25925	3.8	39
357	Thermoporometry study of coagulation bath temperature effect on polyacrylonitrile fibers morphology. <i>Thermochimica Acta</i> , <b>2011</b> , 518, 101-106	2.9	39
356	La doping effect on TZM alloy oxidation behavior. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 593, 196-201	5.7	38
355	Mn <sub>2</sub> N soft magnetic ferrite nanoparticles synthesized from spent alkaline Zn/Mn batteries. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 3991-3994	5.7	38
354	Co effects on Cu-Ni-Si alloys microstructure and physical properties. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 797, 1327-1337	5.7	37
353	Facile route for synthesis of mesoporous Cr <sub>2</sub> O <sub>3</sub> sheet as anode materials for Li-ion batteries. <i>Electrochimica Acta</i> , <b>2014</b> , 139, 76-81	6.7	37
352	Microstructure effect on hydrogen-induced cracking in TM210 maraging steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2013</b> , 586, 142-148	5.3	37
351	Ferrite and austenite phase identification in duplex stainless steel using SPM techniques. <i>Applied Surface Science</i> , <b>2013</b> , 287, 499-501	6.7	37
350	Application of the standard porosimetry method for nanomaterials. <i>International Journal of Nanotechnology</i> , <b>2005</b> , 2, 292	1.5	37
349	Temperature effects on magnetic properties of Fe <sub>3</sub> O <sub>4</sub> nanoparticles synthesized by the sol-gel explosion-assisted method. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 773, 605-611	5.7	37
348	CoCrMo alloy for orthopedic implant application enhanced corrosion and tribocorrosion properties by nitrogen ion implantation. <i>Applied Surface Science</i> , <b>2015</b> , 347, 23-34	6.7	36
347	Ion beam-mixed Ge electrodes for high capacity Li rechargeable batteries. <i>Journal of Power Sources</i> , <b>2013</b> , 223, 336-340	8.9	36
346	Stress and Moisture Effects on Thin Film Buckling Delamination. <i>Experimental Mechanics</i> , <b>2007</b> , 47, 163-170	17.0	36
345	Investigation of microstructure and mechanical properties of multi-layer Cr/Cr <sub>2</sub> O <sub>3</sub> coatings. <i>Thin Solid Films</i> , <b>2009</b> , 517, 1922-1927	2.2	34

344	Effect of glycine on one-step solution combustion synthesis of magnetite nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 719, 288-295	5.7	33
343	Facile preparation of hexagonal WO <sub>3</sub> ·0.33H <sub>2</sub> O/C nanostructures and its electrochemical properties for lithium-ion batteries. <i>Applied Surface Science</i> , <b>2017</b> , 394, 70-77	6.7	33
342	Antibacterial activity and inflammation inhibition of ZnO nanoparticles embedded TiO nanotubes. <i>Nanotechnology</i> , <b>2018</b> , 29, 244003	3.4	32
341	Carbothermal reduction method for Fe <sub>3</sub> O <sub>4</sub> powder synthesis. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 502, 338-340	5.7	32
340	Fuel additives and heat treatment effects on nanocrystalline zinc ferrite phase composition. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2011</b> , 323, 569-573	2.8	32
339	Humidity effects on (001) BaTiO <sub>3</sub> single crystal surface water adsorption. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 062905	3.4	32
338	High-performance hot-warm rolled Zn-0.8Li alloy with nano-sized metastable precipitates and sub-micron grains for biodegradable stents. <i>Journal of Materials Science and Technology</i> , <b>2019</b> , 35, 2618-2624	9.1	31
337	Structure and composition effects on electrical and optical properties of sputtered PbSe thin films. <i>Thin Solid Films</i> , <b>2015</b> , 592, 59-68	2.2	31
336	Recent advances and perspective in metal coordination materials-based electrode materials for potassium-ion batteries. <i>Rare Metals</i> , <b>2021</b> , 40, 448-470	5.5	31
335	Microstructure evolution of Al <sub>0.2</sub> Si <sub>0.1</sub> TiNiMg alloy under high temperature low cycle fatigue. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2013</b> , 574, 186-190	5.3	30
334	Hot workability and constitutive model of the Cu-Zr-Nd alloy. <i>Vacuum</i> , <b>2017</b> , 146, 35-43	3.7	30
333	Hydrogen effects on stainless steel passive film fracture studied by nanoindentation. <i>Corrosion Science</i> , <b>2011</b> , 53, 2679-2683	6.8	30
332	Geometry effects on magnetoelectric performance of layered Ni/PZT composites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2009</b> , 163, 114-119	3.1	30
331	Mechanical properties and fracture characteristics of high carbon steel after equal channel angular pressing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2013</b> , 563, 163-167	5.3	29
330	Resonant modes and magnetoelectric performance of PZT/Ni cylindrical layered composites. <i>Applied Physics A: Materials Science and Processing</i> , <b>2010</b> , 98, 449-454	2.6	29
329	Review of nano-phase effects in high strength and conductivity copper alloys. <i>Nanotechnology Reviews</i> , <b>2019</b> , 8, 383-395	6.3	29
328	Temperature, moisture and mode-mixity effects on copper leadframe/EMC interfacial fracture toughness. <i>International Journal of Fracture</i> , <b>2014</b> , 185, 115-127	2.3	28
327	Discontinuous surface cracks during stress corrosion cracking of stainless steel single crystal. <i>Corrosion Science</i> , <b>2011</b> , 53, 3509-3514	6.8	28

326	Preparation and ductile-to-brittle transition temperature of the La-TZM alloy plates. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2015</b> , 52, 131-136	4.1	27
325	Microstructure and Precipitate Characterization of the Cu-Ni-Si-P Alloy. <i>Journal of Materials Engineering and Performance</i> , <b>2016</b> , 25, 1336-1341	1.6	27
324	Enhanced hydrogen storage properties of LiAlH <sub>4</sub> catalyzed by CoFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>RSC Advances</i> , <b>2014</b> , 4, 18989-18997	3.7	27
323	Residual Stress and Surface Energy of Sputtered TiN Films. <i>Journal of Materials Engineering and Performance</i> , <b>2015</b> , 24, 1185-1191	1.6	26
322	Residual stress and microstructure effects on mechanical, tribological and electrical properties of TiN coatings on 304 stainless steel. <i>Ceramics International</i> , <b>2018</b> , 44, 15851-15858	5.1	26
321	Improved Hydrogen Storage Performance of MgH <sub>2</sub> /LiAlH <sub>4</sub> Composite by Addition of MnFe <sub>2</sub> O <sub>4</sub> . <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 26940-26947	3.8	26
320	Water pre-adsorption effect on room temperature SnO <sub>2</sub> nanobelt ethanol sensitivity in oxygen-deficient conditions. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 158, 340-344	8.5	26
319	Preparation of Cu/Al <sub>2</sub> O <sub>3</sub> bulk nano-composites by combining Cu/Al alloy sheets internal oxidation with hot extrusion. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 633, 323-328	5.7	25
318	Study on the growth mechanism and optical properties of sputtered lead selenide thin films. <i>Applied Surface Science</i> , <b>2015</b> , 356, 978-985	6.7	25
317	Effects of quenching and tempering on the microstructure and bake hardening behavior of ferrite and dual phase steels. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2014</b> , 613, 178-183	5.3	25
316	Microstructure of ultra-fine-grained high carbon steel prepared by equal channel angular pressing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2012</b> , 535, 306-310	5.3	25
315	One step synthesis of vanadium pentoxide sheets as cathodes for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 206, 301-306	6.7	25
314	3D printing of NdFeB bonded magnets with SrFe <sub>12</sub> O <sub>19</sub> addition. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 779, 900-907	5.7	25
313	Effects of Ce addition on the Cu-Mg-Fe alloy hot deformation behavior. <i>Vacuum</i> , <b>2018</b> , 155, 594-603	3.7	24
312	Cyanide-free silver electroplating process in thiosulfate bath and microstructure analysis of Ag coatings. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2013</b> , 23, 3822-3828	3.3	24
311	Effect of Ti addition on microstructure evolution and precipitation in Cu/Co/Bi alloy during hot deformation. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 821, 153518	5.7	24
310	Effects of Ce and Y addition on microstructure evolution and precipitation of Cu-Mg alloy hot deformation. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 781, 118-130	5.7	24
309	Superior destabilization effects of LiBH <sub>4</sub> with the addition of nano-sized nickel ferrite NiFe <sub>2</sub> O <sub>4</sub> . <i>RSC Advances</i> , <b>2015</b> , 5, 81212-81219	3.7	23

308	Cryorolling effect on microstructure and mechanical properties of Fe25Cr20Ni austenitic stainless steel. <i>Materials and Design</i> , <b>2015</b> , 88, 398-405	8.1	23
307	Nanoindentation study of polydimethylsiloxane elastic modulus using Berkovich and flat punch tips. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	23
306	Effects of Cr addition on the constitutive equation and precipitated phases of copper alloy during hot deformation. <i>Materials and Design</i> , <b>2020</b> , 191, 108613	8.1	23
305	Characterization of the Hot Deformation Behavior of CuCrZr Alloy by Processing Maps. <i>Acta Metallurgica Sinica (English Letters)</i> , <b>2016</b> , 29, 422-430	2.5	23
304	XPS and AFM Investigations of Ti-Al-N Coatings Fabricated Using DC Magnetron Sputtering at Various Nitrogen Flow Rates and Deposition Temperatures. <i>Metals</i> , <b>2017</b> , 7, 52	2.3	23
303	Effects of laser shock processing on surface microstructure and mechanical properties of ultrafine-grained high carbon steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2013</b> , 570, 82-86	5.3	23
302	High temperature brittle film adhesion measured from annealing-induced circular blisters. <i>Acta Materialia</i> , <b>2017</b> , 138, 1-9	8.4	22
301	Blended powder semisolid forming of Al7075/Al2O3 composites: Investigation of microstructure and mechanical properties. <i>Materials and Design</i> , <b>2016</b> , 109, 57-67	8.1	21
300	Corrosion resistance and friction of sintered NdFeB coated with Ti/TiN multilayers. <i>Thin Solid Films</i> , <b>2014</b> , 550, 428-434	2.2	21
299	Electric field and surface charge effects on ferroelectric domain dynamics in BaTiO3 single crystal. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	21
298	High Temperature Oxidation Behavior of Flake and Spheroidal Graphite Cast Irons. <i>Oxidation of Metals</i> , <b>2011</b> , 76, 161-168	1.6	21
297	Growth Rate Effect on 3C-SiC Film Residual Stress on (100) Si Substrates. <i>Materials Science Forum</i> , <b>2010</b> , 645-648, 143-146	0.4	21
296	Solution combustion synthesis of nanostructured iron oxides with controllable morphology, composition and electrochemical performance. <i>Ceramics International</i> , <b>2018</b> , 44, 4237-4247	5.1	21
295	3D gel-printing of Sr ferrite parts. <i>Ceramics International</i> , <b>2018</b> , 44, 22370-22377	5.1	21
294	Deformation Behavior and Microstructure Evolution of the Cu-2Ni-0.5Si-0.15Ag Alloy During Hot Compression. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2015</b> , 46, 5871-5876	2.3	20
293	NaAlH4 dehydrogenation properties enhanced by MnFe2O4 nanoparticles. <i>Journal of Power Sources</i> , <b>2014</b> , 248, 388-395	8.9	20
292	Epoxy resin effect on anisotropic NdFeB rubber-bonded magnets performance. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 687-690	5.7	20
291	Fracture of colloidal single-crystal films fabricated by controlled vertical drying deposition. <i>Physical Review E</i> , <b>2010</b> , 82, 031602	2.4	20

290	Dynamic recrystallization model of the Cu-Cr-Zr-Ag alloy under hot deformation. <i>Journal of Materials Research</i> , <b>2016</b> , 31, 1275-1285	2.5	20
289	Brittle coating effects on fatigue cracks behavior in Ti alloys. <i>International Journal of Fatigue</i> , <b>2019</b> , 125, 432-439	5	19
288	Effect of molybdenum particles on thermal and mechanical properties of graphite flake/copper composites. <i>Carbon</i> , <b>2020</b> , 161, 169-180	10.4	19
287	Pitting Initiation and Propagation of X70 Pipeline Steel Exposed to Chloride-Containing Environments. <i>Materials</i> , <b>2017</b> , 10,	3.5	19
286	Treatment method of hazardous pickling sludge by reusing as glass/ceramics nucleation agent. <i>Rare Metals</i> , <b>2016</b> , 35, 269-274	5.5	19
285	Suppressed voltage decay and improved electrochemical performance by coating LiAl <sub>5</sub> O <sub>8</sub> on the surface of Li <sub>1.2</sub> Mn <sub>0.54</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> O <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 805, 1034-1043	5.7	19
284	Effects of Ce Addition on High Temperature Deformation Behavior of Cu-Cr-Zr Alloys. <i>Journal of Materials Engineering and Performance</i> , <b>2015</b> , 24, 3783-3788	1.6	19
283	Comparison of the macroscale and microscale tests for measuring elastic properties of polydimethylsiloxane. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	19
282	3C-SiC Films on Si for MEMS Applications: Mechanical Properties. <i>Materials Science Forum</i> , <b>2009</b> , 615-617, 633-636	0.4	19
281	Length scales for the fracture of nanostructures. <i>International Journal of Fracture</i> , <b>2003</b> , 119/120, 387-405	3	19
280	Effects of Ag Addition on Hot Deformation Behavior of Cu-Ni-Bi Alloys. <i>Advanced Engineering Materials</i> , <b>2017</b> , 19, 1600607	3.5	18
279	Glass-ceramics one-step crystallization accomplished by building Ca <sup>2+</sup> and Mg <sup>2+</sup> fast diffusion layer around diopside crystal. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 688, 709-714	5.7	18
278	Multiscale recycling rare earth elements from real waste trichromatic phosphors containing glass. <i>Journal of Cleaner Production</i> , <b>2019</b> , 238, 117998	10.3	18
277	Stress corrosion cracking under low stress: Continuous or discontinuous cracks?. <i>Corrosion Science</i> , <b>2014</b> , 80, 350-358	6.8	18
276	A review of microstructure and texture evolution with nanoscale precipitates for copper alloys. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 11918-11934	5.5	18
275	Hydrostatic pressure effects on the kinetic parameters of hydrogen evolution and permeation in Armco iron. <i>Electrochimica Acta</i> , <b>2017</b> , 255, 230-238	6.7	17
274	A multiaxial high-cycle fatigue life evaluation model for notched structural components. <i>International Journal of Fatigue</i> , <b>2015</b> , 80, 443-448	5	17
273	Fabrication and characterization of anodic oxide nanotubes on TiNb alloys. <i>Rare Metals</i> , <b>2016</b> , 35, 140-148	5.5	17



272	Changes of Work Function in Different Deformation Stage for 2205 Duplex Stainless Steel by SKPFM <b>2014</b> , 3, 1736-1741		17
271	The role of trivalent arsenic in removal of antimony and bismuth impurities from copper electrolytes. <i>Hydrometallurgy</i> , <b>2012</b> , 125-126, 76-80	4	17
270	Sputtering Power Effects on Growth and Mechanical Properties of Cr <sub>2</sub> AlC MAX Phase Coatings. <i>Metals</i> , <b>2016</b> , 6, 265	2.3	17
269	Hydrostatic pressure effects on hydrogen permeation in A514 steel during galvanostatic hydrogen charging. <i>Corrosion Science</i> , <b>2016</b> , 112, 86-93	6.8	17
268	Mechanism of CeMgAl <sub>11</sub> O <sub>19</sub> : Tb <sup>3+</sup> alkaline fusion with sodium hydroxide. <i>Rare Metals</i> , <b>2015</b> , 34, 189-194	5	16
267	Complete recovery of Eu from BaMgAl <sub>10</sub> O <sub>17</sub> :Eu <sup>2+</sup> by alkaline fusion and its mechanism. <i>RSC Advances</i> , <b>2015</b> , 5, 1113-1119	3.7	16
266	Passivation of hydrogen damage using graphene coating on Fe <sub>2</sub> O <sub>3</sub> films. <i>Carbon</i> , <b>2018</b> , 130, 19-24	10.4	16
265	Facile fabrication of organic/inorganic nanotube heterojunction arrays for enhanced photoelectrochemical water splitting. <i>Nanoscale</i> , <b>2016</b> , 8, 13228-35	7.7	16
264	AlN powder synthesis by sodium fluoride-assisted carbothermal combustion. <i>Ceramics International</i> , <b>2014</b> , 40, 14447-14452	5.1	16
263	Shape and size effects on layered Ni/PZT/Ni composites magnetoelectric performance. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 172003	3	16
262	EBSD analysis of hot deformation behavior of Cu-Ni-Co-Si-Cr alloy. <i>Materials Characterization</i> , <b>2020</b> , 169, 110656	3.9	16
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