Yao-Gen Shen

List of Publications by Year in Descending Order

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

151 papers	2,832 citations	29 h-index	43 g-index
152 ext. papers	3,070 ext. citations	3.3 avg, IF	5.01 L-index

#	Paper	IF	Citations
151	Elastic-plastic deformation behavior of sapphire M-plane under static loading using nano-indentation. *Ceramics International*, **2021**, 47, 23528-23538	5.1	2
150	Nanoscale elastic-plastic deformation and mechanical properties of 3C-SiC thin film using nanoindentation. *International Journal of Applied Ceramic Technology*, **2019**, 16, 706-717	2	2
149	Sol-gel preparation and properties of Ag-containing bioactive glass films on titanium. *International Journal of Applied Ceramic Technology*, **2017**, 14, 1117-1124	2	8
148	Short-pulse laser formation of monatomic metallic glass in tantalum nanowire. *Applied Physics A: Materials Science and Processing*, **2017**, 123, 1	2.6	5
147	Compositional phase diagram and microscopic mechanism of BaCaZrTiO relaxor ferroelectrics. *Physical Chemistry Chemical Physics*, **2017**, 19, 22190-22196	3.6	20
146	Phase stability, electronic structures, and superconductivity properties of the BaPb1−xBixO3 and Ba1−xKxBiO3 perovskites. *Journal of the American Ceramic Society*, **2017**, 100, 1221-1230	3.8	21
145	A comparative study of mechanical and microstructural characteristics of aluminium and titanium undergoing ultrasonic assisted compression testing. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2017**, 682, 376-388	5.3	37
144	Effects of oxygen vacancies on polarization stability of barium titanate. *Science China: Physics, Mechanics and Astronomy*, **2016**, 59, 1	3.6	10
143	Composition- and Pressure-Induced Relaxor Ferroelectrics: First-Principles Calculations and Landau-Devonshire Theory. *Journal of the American Ceramic Society*, **2016**, 99, 3336-3342	3.8	14
142	SiV center photoluminescence induced by C=O termination in nanocrystalline diamond and graphite loops hybridized films. *Journal of Applied Physics*, **2016**, 120, 225107	2.5	19
141	Sol–gel preparation and properties of Ag–TiO2 films on surface roughened Ti–6Al–4V alloy. *Materials Science and Technology*, **2015**, 31, 501-505	1.5	17
140	Size-dependent brittle-to-ductile transition in GaAs nano-rods. *Engineering Fracture Mechanics*, **2015**, 150, 135-142	4.2	4
139	Effect of the hot electron blast force on ultrafast laser ablation of nickel thin film. *Applied Optics*, **2015**, 54, 1737	1.7	5
138	Reduction of the effect of electron relaxation behavior on the femtosecond laser-induced response of copper thin film by ballistic energy transfer. *International Journal of Thermal Sciences*, **2015**, 93, 21-28	4.1	1
137	Effect of heat treatment on deformation and mechanical properties of 8 mol% yttria-stabilized zirconia by Berkovich nanoindentation. *Applied Surface Science*, **2015**, 338, 92-98	6.7	19
136	Effect of hot electron blast force on ultrafast laser ablation of nickel thin film: erratum **2015**, 54, 3216		
135	Ab initio atomistic thermodynamics study on the oxidation mechanism of binary and ternary alloy surfaces. *Journal of Chemical Physics*, **2015**, 142, 064705	3.9	15

134	Materials can be strengthened by nanoscale stacking faults. *Europhysics Letters*, **2015**, 110, 36002	1.6	8
133	The oxidization behavior and mechanical properties of ultrananocrystalline diamond films at high temperature annealing. *Applied Surface Science*, **2014**, 317, 11-18	6.7	24
132	Phase transformations of nano-sized cubic boron nitride to white graphene and white graphite. *Applied Physics Letters*, **2014**, 104, 093104	3.4	15
131	Sol□gel derived Ag-containing TiO2 films on surface roughened biomedical NiTi alloy. *Ceramics International*, **2014**, 40, 12423-12429	5.1	18
130	Elasto-plastic characteristics and mechanical properties of as-sprayed 8mol% yttria-stabilized zirconia coating under nano-scales measured by nanoindentation. *Applied Surface Science*, **2014**, 309, 271-277	6.7	10
129	Enhancement of thermal stability by microstructural refinement in nanocomposite materials. *Scripta Materialia*, **2014**, 87, 33-36	5.6	
128	Structure, Phase Transition, and Electronic Properties of K1□NaxNbO3 Solid Solutions from First-Principles Theory. *Journal of the American Ceramic Society*, **2014**, 97, 4019-4023	3.8	20
127	Deformation-induced phase transformation in 4H□SiC nanopillars. *Acta Materialia*, **2014**, 80, 392-399	8.4	12
126	Finite Element Modelling of Stress-Induced Fracture in Ti-Si-N Films. *Applied Mechanics and Materials*, **2014**, 553, 10-15	0.3	
125	The effect of interface adhesion on buckling and cracking of hard thin films. *Applied Physics Letters*, **2014**, 105, 161912	3.4	7
124	The grain refining effect of energy competition and the amorphous phase in nanocomposite materials. *Scripta Materialia*, **2013**, 69, 662-665	5.6	4
123	Electron relaxation effect on the sub-100-fs laser interaction with gold thin film. *Optics Letters*, **2013**, 38, 2397-400	3	3
122	Nanoindentation Study of Pop-in Phenomenon Characteristics and Mechanical Properties of Sapphire (102) Crystal. *Journal of the American Ceramic Society*, **2012**, 95, 3605-3612	3.8	30
121	Self-healing of fractured one-dimensional brittle nanostructures. *Europhysics Letters*, **2012**, 98, 16010	1.6	3
120	Self-healing in fractured GaAs nanowires. *Acta Materialia*, **2012**, 60, 5593-5600	8.4	7
119	Influence of microstructures on mechanical behaviours of SiC nanowires: a molecular dynamics study. *Nanotechnology*, **2012**, 23, 025703	3.4	39
118	Phosphorus ion implantation and annealing induced n-type conductivity and microstructure evolution in ultrananocrystalline diamond films. *Applied Physics Letters*, **2011**, 99, 131902	3.4	40
117	Deformation behavior and mechanical properties of polycrystalline and single crystal alumina during nanoindentation. *Scripta Materialia*, **2011**, 65, 127-130	5.6	64

116	Effect of oxidation temperature on microstructure, mechanical behaviors and surface morphology of nanocomposite TiCxNy thin films. *Applied Surface Science*, **2011**, 257, 2769-2774	6.7	8
115	Nanoscale elastic–plastic deformation and stress distributions of the C plane of sapphire single crystal during nanoindentation. *Journal of the European Ceramic Society*, **2011**, 31, 1865-1871	6	56
114	n-type conductivity and phase transition in ultrananocrystalline diamond films by oxygen ion implantation and annealing. *Journal of Applied Physics*, **2011**, 109, 053524	2.5	50
113	Understanding large plastic deformation of SiC nanowires at room temperature. *Europhysics Letters*, **2011**, 95, 63003	1.6	9
112	Effect of nitrogen content on nanostructure and mechanical properties of TiCxNy thin films. *Surface Engineering*, **2011**, 27, 169-173	2.6	3
111	Mechanical and tribological properties of multicomponent TiBCN thin films with varied C contents. *Surface and Coatings Technology*, **2010**, 204, 1528-1534	4.4	26
110	Effect of nitrogen content on phase configuration, nanostructure and mechanical behaviors in magnetron sputtered SiCxNy thin films. *Applied Surface Science*, **2010**, 256, 1955-1960	6.7	16
109	Nanostructural CAlN thin films studied by x-ray photoelectron spectroscopy, Raman and high-resolution transmission electron microscopy. *Journal of Materials Research*, **2009**, 24, 3321-3330	2.5	2
108	Al-induced fullerene-like nanostructures in CAlN thin films. *Materials Letters*, **2009**, 63, 2479-2482	3.3	2
107	Effect of N content on phase configuration, nanostructure and mechanical behaviors in TiCxNy thin films. *Applied Surface Science*, **2009**, 255, 7858-7863	6.7	10
106	Structural, mechanical and tribological properties of nanostructured CNx/TiN multilayers. *Tribology International*, **2009**, 42, 798-806	4.9	11
105	The grain size distribution in nanocomposite films. *Solid State Communications*, **2009**, 149, 903-907	1.6	2
104	Influence of deposition conditions on mechanical and tribological properties of nanostructured TiN/CNx multilayer films. *Surface and Coatings Technology*, **2009**, 203, 967-975	4.4	16
103	The roles of grain boundary and interfacial energies in the grain growth of nanocomposite films. *Applied Physics Letters*, **2009**, 94, 093111	3.4	3
102	Phase configuration, nanostructure, and mechanical behaviors in Ti-B-C-N thin films. *Journal of Materials Research*, **2009**, 24, 2520-2527	2.5	2
101	The structural properties of BO codoped diamond films. *Diamond and Related Materials*, **2009**, 18, 210-212	3.5	5
100	Interface structure of sputter deposited CNx film on silicon substrate. *Materials Letters*, **2008**, 62, 2685-2687	3.3	1
99	Mechanisms of amorphous-phase-dependent grain growth in two-phase nanocomposite films: A Monte Carlo analysis. *Applied Physics Letters*, **2008**, 92, 021910	3.4	3

98	Surface smoothing of sputter deposited amorphous CNx films by silicon addition. *Journal of Non-Crystalline Solids*, **2008**, 354, 3235-3240	3.9	
97	Effect of carbon content on thermal stability of TiCxNy thin films. *Journal of Materials Research*, **2008**, 23, 671-678	2.5	1
96	Mechanical and tribological characterisation of nanostructured Ti/TiB2 multilayer films. *Surface Engineering*, **2008**, 24, 402-409	2.6	7
95	Refractive Index Controlled Plasmon Tuning of Au Nanoparticles in SiO2-ZrO2 Film Matrices. *Journal of Nanoscience and Nanotechnology*, **2008**, 8, 3868-3876	1.3	6
94	Log-normal nanograin-size distributions in nanostructured composites. *Philosophical Magazine Letters*, **2008**, 88, 829-836	1	6
93	Nano-structured CrN/CNx multilayer films deposited by magnetron sputtering. *Composites Science and Technology*, **2008**, 68, 2922-2929	8.6	47
92	Mechanical and tribological properties of nanostructured TiN/TiBN multilayer films. *Wear*, **2008**, 265, 516-524	3.5	29
91	Structural and mechanical properties of titanium and titanium diboride monolayers and Ti/TiB2 multilayers. *Thin Solid Films*, **2008**, 516, 5313-5317	2.2	11
90	Stress-induced surface damages in TiSiN films grown by magnetron sputtering. *Thin Solid Films*, **2008**, 516, 7609-7614	2.2	12
89	Behavior of Ti0.5Al0.5N thin film in nanoscale deformation with different loading rates. *Thin Solid Films*, **2008**, 516, 7641-7647	2.2	15
88	Surface growth and anomalous scaling of sputter-deposited Al films. *Physica B: Condensed Matter*, **2008**, 403, 2306-2311	2.8	15
87	Theoretical analysis of Hertzian contact fracture: Ring crack. *Engineering Fracture Mechanics*, **2008**, 75, 4247-4256	4.2	9
86	An investigation on the onset of plastic deformation of nanocrystalline solid solution TiAlN films. *Engineering Fracture Mechanics*, **2008**, 75, 4978-4984	4.2	5
85	Nanoindentation-induced elastic–plastic transition and size effect in α-Al2O3(0001). *Philosophical Magazine Letters*, **2007**, 87, 409-415	1	40
84	Structure and hardness of unbalanced magnetron sputtered TiBxNy thin films deposited at 500 °C. *Surface and Coatings Technology*, **2007**, 201, 7368-7374	4.4	13
83	Effects of B content and wear parameters on dry sliding wear behaviors of nanocomposite TiBN thin films. *Wear*, **2007**, 262, 1372-1379	3.5	21
82	Relationship between composition, bonding constitution and microstructure in unbalanced magnetron sputtered TiBN thin films. *Surface Engineering*, **2007**, 23, 307-312	2.6	3
81	Dependence of phase composition on dry sliding behaviour in nanocomposite TiBxNy thin films. *Materials Science and Technology*, **2007**, 23, 1243-1248	1.5	10

80	Phase configuration, nanostructure evolution, and mechanical properties of unbalanced magnetron-sputtered Ti-Cx-Ny thin films. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2007**, 25, 1539-1546	2.9	9
79	First-principles calculations for the elastic properties of nanostructured superhard TiN/SixNy superlattices. *Applied Physics Letters*, **2007**, 91, 081916	3.4	25
78	Nanostructure evolution and properties of two-phase nc-Ti(C, N)/a-(C, CNx) nanocomposites by high-resolution transmission electron microscopy, x-ray photoelectron spectroscopy, and Raman spectroscopy. *Journal of Materials Research*, **2007**, 22, 2460-2469	2.5	9
77	The Origin of Superhardness in Nanocomposite Coatings: Analysis of Nanoindentation and Scratch Tests **2007**, 39-49		
76	Nanostructure transition: From solid solution Ti(N,C) to nanocomposite nc-Ti(N,C)/a-(C,CNx). *Applied Physics Letters*, **2007**, 90, 221913	3.4	16
75	Superhard nanocomposite TiAlSiN films deposited by reactive unbalanced magnetron sputtering. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2006**, 135, 1-9	3.1	72
74	Determination of Effective Nanoindentation Range for Hard (Ti,Al)N Thin Film. *Japanese Journal of Applied Physics*, **2006**, 45, 6411-6416	1.4	3
73	Carbon nitride based hard multilayer films prepared by closed field unbalanced magnetron sputtering. *Surface Engineering*, **2006**, 22, 15-25	2.6	7
72	Effect of B content on thermal stability of nanocomposite TiBN thin films. *Materials Science and Technology*, **2006**, 22, 1255-1260	1.5	2
71	Grain growth in nanocomposite TiBN films during deposition: The effect of amorphous phase precipitation. *Journal of Materials Research*, **2006**, 21, 82-87	2.5	4
70	Thermal stability of sputter deposited nanocrystalline W2N/amorphous Si3N4 coatings. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2006**, 24, 2094-2099	2.9	6
69	Effects of Al content on grain growth of solid solution (Ti,Al)N films. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2006**, 24, 174-177	2.9	6
68	Effects of nitrogen content on microstructure and oxidation behaviors of TiBN nanocomposite thin films. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2006**, 24, 340-349	2.9	13
67	Investigation of nanostructure evolution and twinning of nanocrystallites in TiBxNy nanocomposite thin films deposited by magnetron sputtering at low temperature by means of HRTEM and Monte Carlo simulations. *Acta Materialia*, **2006**, 54, 2897-2905	8.4	22
66	Microstructure, mechanical properties, and oxidation resistance of nanocomposite TiSiN coatings. *Applied Surface Science*, **2006**, 252, 6141-6153	6.7	48
65	Atomic force microscopy study of growth kinetics: Scaling in TiN/TiB2 nanocomposite films on Si(1 0 0). *Applied Surface Science*, **2006**, 252, 8091-8095	6.7	2
64	Nanostructured two-phase nc-TiN/a-(TiB2, BN) nanocomposite thin films. *Applied Surface Science*, **2006**, 253, 1631-1638	6.7	9
63	Substrate bias effects on mechanical and tribological properties of substitutional solid solution (Ti, Al)N films prepared by reactive magnetron sputtering. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2006**, 131, 62-71	3.1	44

62	Microstructure evolution and grain growth of nanocomposite TiN□TiB2 films: experiment and simulation. *Surface and Coatings Technology*, **2006**, 200, 6474-6478	4.4	8
61	Effects of nitrogen content on nanostructure evolution, mechanical behaviors and thermal stability in Ti□B□N thin films. *Surface and Coatings Technology*, **2006**, 201, 1228-1235	4.4	14
60	Surface growth of (Ti,Al)N thin films on smooth and rough substrates. *Thin Solid Films*, **2006**, 496, 326-332	2.2	8
59	Recent advances on understanding the origin of superhardness in nanocomposite coatings: A critical review. *Journal of Materials Science*, **2006**, 41, 937-950	4.3	81
58	Effects of B content on microstructure and mechanical properties of nanocomposite Ti□B□xN□y thin films. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **2005**, 23, 449		15
57	Surface morphology of sputter deposited W□Si□N composite coatings characterized by atomic force microscopy. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology* , **2005**, 123, 158-162	3.1	8
56	Structural properties of sputter-deposited CNx/TiN multilayer films. *Thin Solid Films*, **2005**, 479, 31-37	2.2	13
55	Synthesis and characterization of CNx/TiN multilayers on Si(100) substrates. *Surface and Coatings Technology*, **2005**, 200, 2293-2300	4.4	22
54	Improvement of high-speed turning performance of Ti□Al□N coatings by using a pretreatment of high-energy ion implantation. *Surface and Coatings Technology*, **2005**, 198, 414-419	4.4	19
53	Structure, stress and hardness of sputter deposited nanocomposite W-Si-N coatings. *Surface and Coatings Technology*, **2005**, 200, 2525-2530	4.4	21
52	Characterization of sputter deposited W□Si□N coatings based on □-W structure. *Materials Letters*, **2005**, 59, 618-623	3.3	22
51	A bifurcation-based decohesion model for simulating the transition from localization to decohesion with the MPM. *Zeitschrift Fur Angewandte Mathematik Und Physik*, **2005**, 56, 908-930	1.6	22
50	Temperature effect on surface roughening of thin films. *Surface Science*, **2005**, 595, 20-29	1.8	14
49	Temperature-dependent morphology evolution of the submonolayer clusters grown on fcc metal (110) surfaces. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2005**, 23, 177-183	2.9	2
48	Linear surface smoothening of (Ti0.48Al0.52)N thin films grown on rough substrates. *Applied Physics Letters*, **2005**, 86, 251908	3.4	10
47	Optimum information in crackling noise. *Physical Review E*, **2005**, 72, 027101	2.4	24
46	Effect of B content on nanostructure evolution and twinning deformation of nanocrystallite in nc-Ti(N,B)□-(TiB2,BN) nanocomposite thin films. *Applied Physics Letters*, **2005**, 87, 151902	3.4	10
45	Oscillating growth of surface roughness in multilayer films. *Applied Physics Letters*, **2004**, 84, 5121-5123	3.4	20

44	Microstructure, surface morphology, and mechanical properties of nanocrystalline TiN/amorphous Si3N4 composite films synthesized by ion beam assisted deposition. *Journal of Applied Physics*, **2004**, 95, 1460-1467	2.5	47
43	Mechanical and tribological properties of titanium□luminium□itride films deposited by reactive close-field unbalanced magnetron sputtering. *Wear*, **2004**, 257, 1030-1040	3.5	46
42	Hardening mechanisms of nanocrystalline Ti□Al□N solid solution films. *Thin Solid Films*, **2004**, 468, 161-166	2.2	60
41	High performance W□AlN cermet solar coatings designed by modelling calculations and deposited by DC magnetron sputtering. *Solar Energy Materials and Solar Cells*, **2004**, 81, 25-37	6.4	72
40	X-Ray photoelectron spectroscopy characterization of reactively sputtered Ti□N thin films. *Surface and Coatings Technology*, **2004**, 187, 98-105	4.4	42
39	Structural and mechanical properties of titanium□luminium□itride films deposited by reactive close-field unbalanced magnetron sputtering. *Surface and Coatings Technology*, **2004**, 185, 245-253	4.4	67
38	Nanocomposite Ti□iN films deposited by reactive unbalanced magnetron sputtering at room temperature. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2004**, 106, 163-171	3.1	81
37	XPS study for reactively sputtered titanium nitride thin films deposited under different substrate bias. *Physica B: Condensed Matter*, **2004**, 352, 118-126	2.8	100
36	Effects of amorphous matrix on the grain growth kinetics in two-phase nanostructured films: a Monte Carlo study. *Acta Materialia*, **2004**, 52, 729-736	8.4	37
35	Role of island corner rounding in the morphology transition of the submonolayers grown on metal (1 1 0) surfaces. *Applied Surface Science*, **2004**, 233, 197-203	6.7	
34	Surface evolution and dynamic scaling of sputter-deposited Al thin films on Ti(1 0 0) substrates. *Applied Surface Science*, **2004**, 226, 371-377	6.7	16
33	Monte Carlo simulation of nanocrystalline TiN/amorphous SiNx composite films. *Journal of Applied Physics*, **2004**, 95, 758-760	2.5	23
32	Effect of deposition conditions on mechanical stresses and microstructure of sputter-deposited molybdenum and reactively sputter-deposited molybdenum nitride films. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2003**, 359, 158-167	5.3	82
31	XPS, AFM and nanoindentation studies of Ti1□AlxN films synthesized by reactive unbalanced magnetron sputtering. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2003**, 100, 204-213	3.1	55
30	Zr□ZrO2cermet solar coatings designed by modelling calculations and deposited by dc magnetron sputtering. *Journal Physics D: Applied Physics*, **2003**, 36, 723-729	3	18
29	Roughening kinetics of reactively sputter-deposited Ti-Al-N films on Si(100). *Philosophical Magazine Letters*, **2003**, 83, 627-634	1	13
28	Roughening kinetics of thin films in the presence of both stress and Ehrlich□chwobel barrier. *Applied Physics Letters*, **2003**, 83, 5404-5406	3.4	12
27	Crystallization-induced stress in reactively sputter-deposited molybdenum nitride thin films. *Philosophical Magazine Letters*, **2003**, 83, 125-133	1	5

26	Reactively sputter-deposited MoOxNy thin films. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2002**, 95, 222-229	3.1	14
25	Atomic force microscopy study of surface roughening of sputter-deposited TiN thin films. *Journal of Applied Physics*, **2002**, 92, 3559-3563	2.5	56
24	Structure and properties of stacking faulted A15 tungsten thin films **2001**, 36, 93-98		15
23	Structural properties and nitrogen-loss characteristics in sputtered tungsten nitride films. *Thin Solid Films*, **2000**, 372, 257-264	2.2	37
22	Structural studies of amorphous and crystallized tungsten nitride thin films by EFED, XRD and TEM. *Applied Surface Science*, **2000**, 167, 59-68	6.7	23
21	Crystallization-induced stress in tungsten nitride thin films. *Journal of Materials Science Letters*, **2000**, 19, 1941-1943		
20	Combined ion scattering, electron diffraction and work function change study on growth, alloying and initial oxygen adsorption of ultrathin Al films in Pd(001). *Journal of Physics Condensed Matter*, **1997**, 9, 9459-9467	1.8	5
19	The role of interfacial strain in the surface p4g reconstruction: a comparison between and. *Journal of Physics Condensed Matter*, **1997**, 9, 8345-8358	1.8	10
18	Au-segregated dealloying and Pd-induced clock reconstructing of Cu(001). *Journal of Physics Condensed Matter*, **1996**, 8, 4903-4918	1.8	16
17	Formation of Ni(100)?Al surface alloy. *Surface Science*, **1996**, 357-358, 202-207	1.8	13
16	Thin film growth of Pt on Cu(111): a LEIS study. *Surface Science*, **1996**, 357-358, 921-925	1.8	25
15	A search for clock reconstruction in fcc (001) surfaces induced by monolayer metal films: , and Pd/Pt/Cu(001). *Solid State Communications*, **1996**, 100, 21-26	1.6	13
14	The growth of thin Cu films on an O-precovered Ru(0001) surface studied by low energy ion beams. *Thin Solid Films*, **1995**, 263, 72-78	2.2	11
13	Surface composition and ordering of Cu3Pt(111). *Solid State Communications*, **1995**, 96, 557-562	1.6	10
12	Sputtering of Cu thin films on Ru(0001) by Ne+ ion bombardment. *Nuclear Instruments & Methods in Physics Research B*, **1995**, 106, 55-59	1.2	
11	Structural study of the growth of thin Cu films on Ru(0001) by low-energy alkali ion scattering. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1995**, 13, 1478-1483	2.9	9
10	Initial growth of ultrathin Pd films on Cu(001). *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1995**, 13, 1443-1447	2.9	14
9	Studies of surface composition and structure of Cu3Pt(111) by low energy alkali ion scattering. *Surface Science*, **1995**, 328, 21-31	1.8	56

8	CO adsorption on Cu3Pt(111): a LEIS study. *Surface Science*, **1995**, 331-333, 746-752	1.8	18
7	Temporary negative ion formation in interactions of low-energy inert gas ions (He+, Ne+) with Cs-adsorbed Cu(111) surfaces. *Surface Science*, **1995**, 341, 19-28	1.8	4
6	The scattering of low energy hydrogen ions from surfaces. *Nuclear Instruments & Methods in Physics Research B*, **1993**, 78, 56-62	1.2	8
5	Dissociative scattering of molecular BF+ and BF+2 ions from Au surfaces. *Nuclear Instruments & Methods in Physics Research B*, **1993**, 73, 35-40	1.2	17
4	Oxygen structure on Ni(100) using low energy Li+, negative recoil and H+ ions. *Nuclear Instruments & Methods in Physics Research B*, **1992**, 66, 441-452	1.2	9
3	Oxygen adsorption and oxide growth on Ni3Al single crystal surfaces. *Nuclear Instruments & Methods in Physics Research B*, **1992**, 67, 350-354	1.2	8
2	Neutralisation in low energy ion scattering. *Nuclear Instruments & Methods in Physics Research B*, **1988**, 33, 446-450	1.2	17
1	The role of the electronic structure in charge exchange between low energy ions and surfaces. *Surface Science*, **1988**, 197, 277-294	1.8	39