Guy Trglia

List of Publications by Citations

161 papers	4,740 citations	38 h-index	62 g-index
162 ext. papers	4,879 ext. citations	2.9 avg, IF	4.9 L-index

#	Paper	IF	Citations
161	Surface core level spectroscopy of transition metals: A new tool for the determination of their surface structure. *Surface Science Reports*, **1985**, 5, 1-85	12.9	243
160	Perturbation treatment of correlations in transition metals. *Journal De Physique*, **1980**, 41, 281-289		197
159	Segregation and Ordering at Surfaces of Transition Metal Alloys: The Tight-Binding Ising Model. *Europhysics Letters*, **1988**, 7, 575-580	1.6	155
158	Effect of coulomb correlations on energy bands in ferromagnetic transition metals : Ni, Co and Fe. *Journal De Physique*, **1982**, 43, 341-353		148
157	Band gaps and asymptotic behaviour of continued fraction coefficients. *Journal of Physics C: Solid State Physics*, **1982**, 15, 2891-2924		142
156	Surface-sandwich segregation in Pt-Ni and Ag-Ni alloys: Two different physical origins for the same phenomenon. *Physical Review B*, **1987**, 35, 4338-4344	3.3	133
155	Comments on the electronic structure of nickel. *Physical Review B*, **1980**, 21, 3729-3733	3.3	133
154	Structures of a Ag monolayer deposited on Cu(111), Cu(100), and Cu(110) substrates: An extended tight-binding quenched-molecular-dynamics study. *Physical Review B*, **1992**, 46, 16018-16030	3.3	126
153	Electronic structure, pairwise interactions and ordering energies in binary f.c.c. transition metal alloys. *Solid State Communications*, **1981**, 39, 149-153	1.6	120
152	Alloy surfaces: segregation, reconstruction and phase transitions. *Computational Materials Science*, **1999**, 15, 196-235	3.2	107
151	Phase transitions in surface segregation of PtcNi1-c alloys from tight-binding Ising-model calculations. *Physical Review B*, **1990**, 41, 4422-4434	3.3	101
150	Ag/Cu(111) structure revisited through an extended mechanism for stress relaxation. *Physical Review B*, **1999**, 59, 10910-10917	3.3	92
149	New magic numbers in metallic clusters: an unexpected metal dependence. *Surface Science*, **1997**, 383, L719-L727	1.8	90
148	Correlation effects on Auger spectra in unfilled d band metals. *Journal of Physics C: Solid State Physics*, **1981**, 14, 4347-4355		90
147	Modeling free and supported metallic nanoclusters: structure and dynamics. *Phase Transitions*, **2004**, 77, 101-113	1.3	76
146	Ge/Ag(111) semiconductor-on-metal growth: Formation of an Ag2Ge surface alloy. *Physical Review B*, **2000**, 62, 16653-16656	3.3	76
145	Surface segregation near the temperature of bulk phase separation: Incomplete wetting in Cu(Ag) alloys. *Physical Review B*, **1991**, 44, 5842-5854	3.3	74

144	Is the segregation-dissolution kinetics driven by a surface local equilibrium? An answer via the kinetic tight-binding Ising model. *Surface Science*, **1992**, 274, 297-305	1.8	68
143	Experimental and theoretical evidence for a strong anisotropy of the surface Debye-Waller factor as determined for a monolayer of cobalt on copper (111) by surface extended x-ray-absorption fine structure. *Physical Review Letters*, **1986**, 56, 1272-1275	7.4	68
142	Anisotropy of diffusion along steps on the (111) faces of gold and silver. *Physical Review B*, **1994**, 50, 12104-12117	3.3	65
141	Surface Segregation in Transition Metal Alloys. *Progress of Theoretical Physics Supplement*, **1990**, 101, 159-180		58
140	Bulk and surface vibrational and thermodynamical properties of fcc transition and noble metals : a systematic study by the continued fraction technique. *Journal De Physique*, **1985**, 46, 987-1000		58
139	Study of the W (Ta) core level shifts induced by the adsorption of oxygen on tungsten (tantalum) (110). *Journal of Physics C: Solid State Physics*, **1981**, 14, 3463-3473		57
138	How to compare superficial and intergranular segregation? A new analysis within the mixed SMA□BIM approach. *Acta Materialia*, **1999**, 47, 2705-2715	8.4	56
137	Electronic structure and relative stabilities of L12 and D022 ordered structures occuring in transition metal alloys. *Solid State Communications*, **1983**, 45, 585-590	1.6	56
136	Electronic structure and phase stability of A15 transition metals and alloys. *Journal of Physics F: Metal Physics*, **1983**, 13, 2543-2567		55
135	Generalised perturbation theory in disordered transition metal alloys: application to the self-consistent calculation of ordering energies. *Journal of Physics F: Metal Physics*, **1978**, 8, 1437-1456		55
134	Pt/Co(0001) superstructures in the submonolayer range: A tight-binding quenched-molecular-dynamics study. *Physical Review B*, **1999**, 60, 2781-2788	3.3	52
133	A 'quenched molecular dynamics' approach to the atomic stability of the (100) face of BCC transition metals. *Journal of Physics C: Solid State Physics*, **1986**, 19, 4463-4472		49
132	Surface segregation in PtRh alloys revisited in the framework of the tight-binding Ising model. *Surface Science*, **1990**, 236, 398-408	1.8	48
131	Equilibrium and kinetics in the (111) surface of Cu-Ag alloys: Comparison between mean-field and Monte Carlo calculations. *Physical Review B*, **1994**, 50, 1912-1921	3.3	47
130	New opportunities to understand heterogeneous catalysis processes on nanoscale bimetallic particles through synchrotron radiation and theoretical studies. *Applied Catalysis A: General*, **2000**, 200, 47-54	5.1	44
129	W4f core level shift study on unreconstructed and hydrogen reconstructed W(100) faces. *Journal of Physics C: Solid State Physics*, **1982**, 15, 4023-4032		43
128	A theoretical inquiry into the question of W and Ta (100) atomic structures. *Journal of Physics C: Solid State Physics*, **1983**, 16, 2407-2419		42
127	Tight-binding molecular dynamics study of diffusion on Au and Ag(111). *Surface Science*, **1995**, 331-333, 920-924	1.8	41

126	W(100) reconstruction studied by core level spectroscopy. *Solid State Communications*, **1984**, 50, 393-396	1.6	41
125	Surface segregation in CuNi and AgNi alloys formulated as an area-preserving map. *Surface Science*, **1990**, 225, 319-330	1.8	40
124	Core-level spectroscopy of clean and adsorbate-covered Ta(100). *Physical Review B*, **1984**, 30, 5487-5493	3.3	39
123	Electronic structure and pairwise interactions in substoichiometric transition metal carbides and nitrides. *Journal De Physique*, **1985**, 46, 1001-1015		38
122	Microstructure of the surfactantlike effect in Ni/Ag(100) and (111). *Physical Review B*, **1997**, 55, 10931-10937	3.3	37
121	Site segregation in size-mismatched nanoalloys: Application to Cu?Ag. *Surface Science*, **2006**, 600, 5011-5020	1.8	35
120	High-temperature study of the Schwoebel effect in Au(111). *Physical Review Letters*, **1996**, 76, 2109-2112	7.4	35
119	Influence of surface stress in the missing row reconstruction of fcc transition metals. *Surface Science*, **2006**, 600, 5131-5135	1.8	34
118	Theoretical investigation of chemical and morphological ordering in PdcCu1? clusters. *Physical Review B*, **2002**, 66,	3.3	34
117	Thermodynamic derivation of the coherent potential approximation and ordering processes in transition alloys. *Journal of Physics F: Metal Physics*, **1980**, 10, 2137-2146		32
116	Ordered surface alloy formation of immiscible metals: The case of Pb deposited on Ag(111). *Physical Review B*, **2005**, 72,	3.3	31
115	Electronic structure of Pd clusters in the tight-binding approximation: influence of spd-hybridization. *Surface Science*, **1996**, 352-354, 675-679	1.8	31
114	Alloy surfaces and surface alloys: from equilibrium to kinetics. *Surface Science*, **1993**, 287-288, 371-376	1.8	30
113	Charge redistribution at Pd surfaces: Ab initio grounds for tight-binding interatomic potentials. *Physical Review B*, **1997**, 56, 12161-12166	3.3	29
112	Is ordering in PtNi alloys induced by spin-orbit interactions?. *Journal of Physics F: Metal Physics*, **1987**, 17, 1935-1944		29
111	On a ?surfactant-like? behaviour of deposit. *Surface Science*, **1994**, 307-309, 531-537	1.8	27
110	Core level spectroscopy of the low index faces of Tantalum. *Surface Science*, **1985**, 162, 46-50	1.8	27
109	Relation between surface stress and (1?) reconstruction for (1 1 0) fcc transition metal surfaces. *Applied Surface Science*, **2003**, 212-213, 866-871	6.7	26

108	Multilayer relaxation and reconstruction in bcc and fcc transition and noble metals. *Vacuum*, **1990**, 41, 311-314	3.7	26
107	Model of surface segregation driving forces and their coupling. *Physical Review B*, **2008**, 78,	3.3	25
106	Link between the surface wetting in Cu(Ag) and the layer-by-layer dissolution mode of a thick Ag deposit on a Cu substrate. *Surface Science*, **1995**, 331-333, 805-810	1.8	25
105	Theoretical study of the Debye-Waller factor in surface extended x-ray-absorption fine structure: Influence of an adsorbed monolayer. *Physical Review B*, **1986**, 34, 6662-6668	3.3	25
104	Clean surface studies by photoelectron diffraction analysed within a single scattering theory. *Journal De Physique*, **1988**, 49, 227-236		25
103	Molecular dynamics simulations for the Ag/Cu (111) system: from segregated to constitutive interfacial vacancies. *Applied Surface Science*, **2000**, 162-163, 219-226	6.7	23
102	Vacancy generation at steps and the kinetics of surface alloy formation. *Surface Science*, **1996**, 364, 453-466	1.8	23
101	Theoretical determination of two critical sizes for strain relaxation during Co/Pt(111) heteroepitaxy. *Surface Science*, **2000**, 446, 272-282	1.8	22
100	Further comments on the electronic structure of nickel. *Physical Review B*, **1980**, 22, 6472-6473	3.3	22
99	Layer-by-layer versus surfactant dissolution modes in heteroepitaxy. *Physical Review B*, **1999**, 60, 13890-13901	3.3	21
98	Ordering and surface segregation in Co1−xPtx nanoparticles: A theoretical study from surface alloys to nanoalloys. *Physical Review B*, **2015**, 91,	3.3	20
97	An atomistic modelling of the porosity impact on UO2 matrix macroscopic properties. *Journal of Nuclear Materials*, **2011**, 415, 210-216	3.3	20
96	Photoelectron spectroscopy study of Pb/Ag(111) in the submonolayer range. *Surface Science*, **2006**, 600, 1227-1230	1.8	20
95	Surface core level spectroscopy of the stepped surface. *Solid State Communications*, **1984**, 52, 635-639	1.6	20
94	Physical origin of thickness-controlled sequential phase formation during reactive diffusion: Atomistic modeling. *Physical Review B*, **2010**, 82,	3.3	18
93	Step-driven molecular adsorption of Sb on Si(111). *Surface Science*, **1998**, 395, 317-325	1.8	17
92	Intergranular segregation and vibrational effects: A local analysis. *Physical Review B*, **2000**, 61, 14470-14480	3.3	17
91	Surface-induced ordering in phase separation systems: influence of concentration and orientation. *Surface Science*, **1999**, 441, 225-239	1.8	17

90	On the influence of topology on the energy profile in metallic Pd clusters. *Surface Science*, **1994**, 307-309, 735-740	1.8	17
89	Kinetics of segregation and dissolution in Cu1?Agc and surface phase transition: comparison between mean field and Monte Carlo calculations. *Surface Science*, **1994**, 307-309, 804-809	1.8	17
88	One- and two-hole excitation spectra of the Hubbard model in the non-half-filled case. *Physical Review B*, **1986**, 34, 5101-5110	3.3	17
87	Electronic structure of NiZr2C16 compound. *Journal of Physics F: Metal Physics*, **1982**, 12, 441-447		17
86	Cu-Ag (111) polymorphism induced by segregation and advacancies. *Physical Review Letters*, **2003**, 91, 176103	7.4	16
85	On the various terminations occurring in CuPt-ordered alloys: the TBIM approach. *Surface Science*, **1994**, 307-309, 440-444	1.8	16
84	Incomplete wetting of very dilute Cu(Ag) alloys by surface segregation. *Surface Science*, **1991**, 251-252, 664-669	1.8	16
83	Atomistic modeling of strain and diffusion at the Si/SiO2 interface. *Physical Review B*, **2010**, 81,	3.3	15
82	Subnanometric Si film reactive diffusion on Ni. *Applied Physics Letters*, **2009**, 95, 023111	3.4	15
81	Unified picture of d-band and core-level shifts in transition metal alloys. *Physical Review B*, **2011**, 83,	3.3	15
80	Experimental study of the growth and dissolution of Re/W(110) by core level photoemission spectroscopy: formation of a surface alloy. *Surface Science*, **1993**, 286, 150-167	1.8	15
79	Topology of a Ag monolayer on a Cu(111) substrate: a tight-binding quenched molecular dynamics study. *Surface Science*, **1993**, 287-288, 476-481	1.8	15
78	Inversion of the core level shift between surface and subsurface atoms of the iridium (100)(1 ?1) and (100)(5 ?1) surfaces. *Surface Science*, **1991**, 251-252, 717-721	1.8	15
77	One-hole excitation spectra of the one-dimensional Hubbard model. *Physical Review B*, **1985**, 32, 2167-2177	3.3	15
76	An unusual composition profile: a LEED?BIM study of Pt25Cu75(111). *Surface Science*, **2003**, 527, 71-79	1.8	14
75	New Structures and Atomistic Analysis of the Polymorphism for the ?= 5 (210) [001] Tilt Boundary. *Journal of Materials Science*, **2000**, 8, 55-69		14
74	On a surprising anisotropy of surface segregation in CuPt alloys. *Surface Science*, **1993**, 287-288, 851-856	1.8	14
73	Interpretation of Cr (001) photoemission spectra: influence of correlations. *Journal of Physics F: Metal Physics*, **1984**, 14, 1317-1324		14

72	Influence of Coulomb correlations on the electronic excitations of transition metal surfaces: application to Mo(100) and Ni(100), (110) and (111). *Journal of Physics C: Solid State Physics*, **1980**, 13, 6063-6072		14
71	Is the (110) face of tungsten reconstructed?. *Solid State Communications*, **1983**, 47, 279-282	1.6	13
70	New trends in heterogeneous catalysis processes on metallic clusters from synchrotron radiation and theoretical studies. *Applied Surface Science*, **2000**, 164, 140-146	6.7	12
69	Competition or synergy between surface segregation and bulk ordering: the Cu?Pd system. *Surface Science*, **1996**, 352-354, 588-591	1.8	12
68	Theoretical investigation of Cottrell atmosphere in silicon. *Acta Materialia*, **2014**, 65, 1-9	8.4	11
67	Strain effect on self-diffusion in silicon: Numerical study. *Physical Review B*, **2009**, 79,	3.3	11
66	On the □exotic□behaviour of the Pt?Sn system. *Surface Science*, **1997**, 377-379, 1033-1037	1.8	11
65	Local-density approximation study of semiconductor/metal adsorption characteristics: Ge/Ag(100). *Physical Review B*, **1999**, 59, 15337-15345	3.3	11
64	Surface and bulk core-level lineshapes in tungsten and tantalum. I. Theory. *Journal of Physics C: Solid State Physics*, **1987**, 20, 2647-2657		11
63	Self-organization of Ge tetramers on Ag(001) surface: A 2D realization of unusual substrate mediated interactions. *Surface Science*, **2008**, 602, 506-510	1.8	10
62	Linear time dependence of the surfactant effect: A local equilibrium under flux. *Physical Review B*, **2004**, 69,	3.3	10
61	Compressive strain versus tensile strain. *Applied Surface Science*, **2001**, 177, 238-242	6.7	10
60	Bidimensional phases in Co□Pt surface alloys: A theoretical study of ordering and surface segregation. *Surface Science*, **2019**, 679, 128-138	1.8	10
59	Rules for tight-binding calculations in bi-metallic compounds based on density functional theory: the case of Co-Au. *Journal of Physics Condensed Matter*, **2010**, 22, 505503	1.8	9
58	Ge deposition on Ag surfaces: Dependence of the adsorption characteristics on the surface orientation. *Physical Review B*, **2000**, 61, 8469-8474	3.3	9
57	Flux dependence of the surfactant effect in : a theoretical study. *Surface Science*, **1996**, 352-354, 562-566	1.8	9
56	Comment on some "new" results on the multilayer reconstruction of W(100). *Physical Review B*, **1989**, 40, 6440-6441	3.3	9
55	Photoelectron diffraction study of the unreconstructed and the hydrogen reconstructed W(110) surfaces. *Solid State Communications*, **1989**, 69, 1015-1018	1.6	9

54	Surface and bulk core-level lineshapes in tantalum. II. Experiments. *Journal of Physics C: Solid State Physics*, **1988**, 21, 287-295		9
53	Theoretical investigation of the influence of reaction and diffusion kinetics upon thin-film reactive diffusion. *Physical Review B*, **2012**, 85,	3.3	8
52	Step-descent mechanisms on Ag and Au(111). *Surface Science*, **1997**, 377-379, 843-846	1.8	8
51	Misfit dislocation loops or incommensurate structure at an interface: Vibrational and anharmonic effects. *Physical Review B*, **2002**, 66,	3.3	8
50	The face dependence of the effective electron mean free path derived from spherical-wave corrections in photoelectron diffraction of W(110) and W(100) surfaces. *Journal of Physics Condensed Matter*, **1989**, 1, 1879-1888	1.8	8
49	Hydrogen chemisorption on tungsten (110) studied by core level spectroscopy. *Journal of Physics C: Solid State Physics*, **1983**, 16, 1555-1566		8
48	Variation at the surface of mean correlated displacements in fcc transition and noble metals studied by a continued fraction technique. *Surface Science*, **1985**, 162, 126-131	1.8	8
47	Coulomb correlations in nickel within the alloy analogy of the Hubbard model. *Solid State Communications*, **1981**, 39, 1113-1116	1.6	8
46	Surface segregation trends in transition metal alloys. *Physical Review B*, **2013**, 88,	3.3	7
45	Atomistic study of porosity impact on phonon driven thermal conductivity: Application to uranium dioxide. *Journal of Applied Physics*, **2014**, 115, 034902	2.5	7
44	Ordering trends in transition metal alloys from tight-binding electronic structure calculations. *Physical Review B*, **2011**, 84,	3.3	7
43	Surface Segregation Maps Derived from Tight-Binding Ising Model. *Solid State Phenomena*, **2011**, 172-174, 1008-1015	0.4	7
42	Kinetics study of antimony adsorption on Si(1 1 1). *Applied Surface Science*, **2003**, 212-213, 715-723	6.7	7
41	Theoretical study of surface alloy formation through generation and annihilation of vacancies. *Surface Science*, **1996**, 352-354, 552-556	1.8	7
40	Influence of spin-orbit coupling on the atomic stability of the (100) face of 5d BCC transition metals. *Solid State Communications*, **1985**, 55, 961-965	1.6	7
39	Computation of interatomic Green functions for transition metals using continued fraction techniques. *Journal De Physique*, **1984**, 45, 283-290		7
38	Theoretical study of xenon adsorption in UO2 nanoporous matrices. *Journal of Physics Condensed Matter*, **2014**, 26, 485015	1.8	6
37	Thermodesorption mass spectrometry study of the adsorption of Sb on misoriented Si(111). *Surface Science*, **1998**, 417, 107-120	1.8	6

36	Atomistic simulations of relaxation and reconstruction phenomena in heteroepitaxy: Co/Au(1 1 1). *Applied Surface Science*, **2002**, 188, 134-139	6.7	6
35	Environment dependence of magnetic moment and atomic level shifts within tight-binding approximation: An illustration in the case of cobalt. *Surface Science*, **2016**, 646, 261-268	1.8	5
34	Disentangling coordination and alloy effects in transition-metal nanoalloys from their electronic structure. *Physical Review B*, **2013**, 88,	3.3	5
33	Sb doping of Si molecular-beam epitaxial layers: Influence of the substrate misorientation. *Physical Review B*, **1997**, 56, 7615-7622	3.3	5
32	Coverage dependence of Sb□Si(111) adsorption and desorption modes: Interplay between chemical interactions and site transitions. *Physical Review B*, **2008**, 77,	3.3	5
31	Formation of an unexpected ordered two-dimensional Ag2Pb surfacealloy on Ag(111): A SXRD and STM study. *Journal of Physics and Chemistry of Solids*, **2006**, 67, 601-604	3.9	5
30	Sb/Si(111) adsorption: hidden phase transitions behind Langmuir-like isotherms. *Physical Review Letters*, **2005**, 94, 076101	7.4	5
29	Comparison of an experimental and a theoretical study of the surface alloy Pt/Cu(111). *Journal of Electron Spectroscopy and Related Phenomena*, **1994**, 68, 357-362	1.7	5
28	Experimental and theoretical investigation of correlation effects in aggregates of Ni and Pd as a function of their size. *Journal of Physics Condensed Matter*, **1989**, 1, 5875-5885	1.8	5
27	Molecular dynamics simulation of silicon oxidization. *Thin Solid Films*, **2010**, 518, 2422-2426	2.2	4
26	Role of spd hybridization in the formation of stacking defects at metal surfaces. *Surface Science*, **2008**, 602, 2681-2688	1.8	4
25	Thermal dependence of surface polymorphism: the Ag/Cu (111) case. *Applied Surface Science*, **2001**, 177, 252-257	6.7	4
24	Intergranular Segregation in Cu(Ag) and Ag(Cu) Systems: Analysis of the Driving Force Using a Tight-Binding Scheme. *Materials Science Forum*, **1996**, 207-209, 701-704	0.4	4
23	How to derive tight-binding spd potentials? Application to zirconium. *Journal of Physics Condensed Matter*, **2015**, 27, 336301	1.8	3
22	SURFACE ALLOY FORMATION IN THE Cu□Pd(111) SYSTEM: A KTBIM APPROACH. *Surface Review and Letters*, **1997**, 04, 1119-1122	1.1	3
21	Alliage de surface et □quilibre local dans le syst□me Pd/Cu (111). *European Physical Journal Special Topics*, **1996**, 06, C7-155-C7-158		3
20	Effect of magnetism on surface segregation in FeNi alloys. *Journal of Physics Condensed Matter*, **2016**, 28, 064003	1.8	2
19	Stress influence on substitutional impurity segregation on dislocation loops in IV□V semiconductors. *Computational Materials Science*, **2016**, 114, 23-32	3.2	2

18	Tight-Bindingn-momentpotential for zirconium hydride atomistic modeling. *Metallurgical Research and Technology*, **2015**, 112, 102	0.9	2
17	Electronic structure of CoPt based systems: from bulk to nanoalloys. *Journal of Physics Condensed Matter*, **2015**, 27, 455503	1.8	2
16	Theoretical prediction of new dissolution modes during metal heteroepitaxy. *Journal of Crystal Growth*, **1999**, 198-199, 83-88	1.6	2
15	On the temperature dependence of the surface sandwiches observed in PtNi and AgNi alloys. *Vacuum*, **1990**, 41, 441-445	3.7	2
14	Surface Segregation in Transition Metal Alloys: From Electronic Structure to Phase Portraits. *Progress of Theoretical Physics Supplement*, **2013**, 101, 159-180		2
13	Combining Solid State Physics Concepts and X-Ray Absorption Spectroscopy to Understand DeNOx Catalysis. *Oil and Gas Science and Technology*, **2006**, 61, 677-689	1.9	2
12	An atomistic approach for stress relaxation in materials **2001**, 119-150		2
11	Tight-binding modelling of ferromagnetic metals and alloys. *Modelling and Simulation in Materials Science and Engineering*, **2017**, 25, 084004	2	1
10	Tight-binding modeling of interstitial ordering processes in metals: Application to zirconium hydrides. *Physical Review B*, **2020**, 101,	3.3	1
9	Atomistic Model for Ge Condensation under SiGe Oxidation. *Defect and Diffusion Forum*, **2015**, 363, 210-216	0.7	1
8	One- and two-hole excitation spectra of the 1d Hubbard model. *Journal of Magnetism and Magnetic Materials*, **1986**, 54-57, 1029-1030	2.8	1
7	Atomistic modelling of residual stress at UO2 surfaces. *Journal of Physics Condensed Matter*, **2016**, 28, 015006	1.8	0
6	Theoretical study of xenon adsorption on UO2surfaces. *Journal of Physics Communications*, **2018**, 2, 035041	1.1	0
5	Electronic Structure of Nanoalloys: A Guide of Useful Concepts and Tools. *Engineering Materials*, **2012**, 159-195	0.4	
4	Structure and properties of nanoscale materials: theory and atomistic computer simulation. *International Journal of Nanotechnology*, **2012**, 9, 576	1.5	
3	Theoretical and Experimental Evidences of Sequential Phase Formation during Sub-Nanometric-Thick Film Reactive Diffusion. *Solid State Phenomena*, **2011**, 172-174, 633-639	0.4	
2	Nanometric-Size Effect upon Diffusion and Reaction in Semiconductors: Experimental and Theoretical Investigations. *Defect and Diffusion Forum*, **2012**, 323-325, 433-438	0.7	
1	Photoemission from transition metals. *Vacuum*, **1981**, 31, 453-454	3.7	