

Wilson Agerico Dio

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.

200
papers

2,230
citations

22
h-index

35
g-index

203
ext. papers

2,347
ext. citations

2.2
avg, IF

4.47
L-index

#	Paper	IF	Citations
200	Defluorination and adsorption of tetrafluoroethylene (TFE) on TiO(110) and CrO(0001). <i>Scientific Reports</i> , 2021 , 11, 21551	4.9	
199	Interface atom mobility and charge transfer effects on CuO and CuO formation on CuPd(111) and CuPt(111). <i>Scientific Reports</i> , 2021 , 11, 3906	4.9	0
198	Dilute concentrations of Sb (Bi) dopants in Sn-site enhance the thermoelectric properties of TiNiSn half-Heusler alloys: a first-principles study. <i>Japanese Journal of Applied Physics</i> , 2020 , 59, 035003	1.4	
197	Positive and negative hydrogen ion reflections of low-energy atomic and molecular hydrogen ion beam from HOPG and Mo surfaces. <i>Review of Scientific Instruments</i> , 2020 , 91, 013313	1.7	
196	Probing the surface structure via the adsorbed hydrogen atoms [The case of Cu(4 1 0)]. <i>Applied Surface Science</i> , 2020 , 528, 146433	6.7	1
195	Dynamical Quantum Filtering via Enhanced Scattering of para-H on the Orientationally Anisotropic Potential of SrTiO(001). <i>Scientific Reports</i> , 2020 , 10, 5939	4.9	
194	Changes in the geometric structure and hydrogen-termination modify the electronic and optical properties of porous silicon. <i>Optik</i> , 2020 , 224, 165539	2.5	
193	CO Diffusion and Bond Weakening on Cu(410) Probing Surface Structure [E-Journal of Surface Science and Nanotechnology], 2020 , 18, 307-311	0.7	
192	Coadsorption of hydrazine (N ₂ H ₄) and OH on NiZn surface: A DFT-based study. <i>Surface Science</i> , 2020 , 691, 121505	1.8	4
191	Density functional study of methyl butanoate adsorption and its C-O bonds cleavage on MoS-based catalyst with various loads of Ni promoters. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 365001	1.8	3
190	Quantitative Multilayer Cu(410) Structure and Relaxation Determined by QLEED. <i>Scientific Reports</i> , 2019 , 9, 16882	4.9	1
189	Rotational state modification and fast ortho-para conversion of H ₂ trapped within the highly anisotropic potential of Pd(210). <i>Physical Review B</i> , 2018 , 97,	3.3	6
188	Increasing the proton conductivity of sulfonated polyether ether ketone by incorporating graphene oxide: Morphology effect on proton dynamics. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 035201	1.4	2
187	CH ₃ Cl/Cu(410): Interaction and Adsorption Geometry. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 11825-11831	3.8	5
186	Adsorption of H on Cs/W(110): Impact of H on the Stability of Cs on the Surface. <i>E-Journal of Surface Science and Nanotechnology</i> , 2018 , 16, 391-395	0.7	2
185	Spin-Dependent O Binding to Hemoglobin. <i>ACS Omega</i> , 2018 , 3, 9241-9245	3.9	8
184	Influence of reactive gas-phase species on the structure of an air/water interface. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 244002	3	2

183	Effects of Adsorbates (CO, COH, and HCO) on the Arrangement of Pd Atoms in PdCu(111). <i>Journal of Physical Chemistry C</i> , 2017 , 121, 17818-17826	3.8	8
182	Conformational effects on hydrazine and OH coadsorption on Ni(111): A first-principles investigation. <i>Surface Science</i> , 2017 , 664, 185-193	1.8	12
181	CO-induced Pd segregation and the effect of subsurface Pd on CO adsorption on CuPd surfaces. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 025005	1.8	11
180	Molecular Adsorption, Hindered Rotation, and Species Separation of H ₂ /SrTiO ₃ (001). <i>Journal of the Physical Society of Japan</i> , 2017 , 86, 073601	1.5	3
179	Morphology Effect on Proton Dynamics in Nafion [®] 117 and Sulfonated Polyether Ether Ketone. <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 094803	1.5	1
178	Experimental and Theoretical Studies on Oxidation of Cu-Au Alloy Surfaces: Effect of Bulk Au Concentration. <i>Scientific Reports</i> , 2016 , 6, 31101	4.9	18
177	Enhanced molecular adsorption of ethylene on reduced anatase TiO ₂ (001): role of surface O-vacancies. <i>RSC Advances</i> , 2016 , 6, 92241-92251	3.7	11
176	C ₂ H ₄ adsorption on Cu(210), revisited: bonding nature and coverage effects. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 23621-7	3.6	5
175	First principles study of magnetic properties of Co1ML/Ni2ML/Cu(111) multilayer structure. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 043001	1.4	
174	Effect of oxygen vacancy on the adsorption of O ₂ on anatase TiO ₂ (001): A DFT-based study. <i>Surface Science</i> , 2015 , 633, 38-45	1.8	35
173	Simulations of magnetic domain patterns on the surface of Co/Ni multilayers. <i>Surface and Interface Analysis</i> , 2014 , 46, 1174-1177	1.5	
172	Initial stages of Cu ₃ Au(111) oxidation: oxygen induced Cu segregation and the protective Au layer profile. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 3815-22	3.6	12
171	Dynamics of Mu, H, D, and T Absorption into Pd(111): Isotope Effects. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 013601	1.5	4
170	Analysis of the Changes in Electronic Structures and Work Function Variation in Alkali Metal ⁺ -Metal Surface Systems. <i>Journal of the Vacuum Society of Japan</i> , 2014 , 57, 27-31		6
169	Surface as a Foundation to Realizing Designer Materials. <i>E-Journal of Surface Science and Nanotechnology</i> , 2014 , 12, 203-216	0.7	1
168	Tunneling Effect in Dissociative Adsorption of O ₂ on Pt(001) Surface. <i>Journal of the Vacuum Society of Japan</i> , 2013 , 56, 425-427		1
167	Magnetic domain patterns on strong perpendicular magnetization of Co/Ni multilayers as spintronics materials: II. Numerical simulations. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 395005	1.8	12
166	Magnetic domain patterns on strong perpendicular magnetization of Co/Ni multilayers as spintronics materials: I. Dynamic observations. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 406001	1.8	12

165	Tunneling Effect of O ₂ in Dissociative Adsorption on Pt(111) Surface. <i>E-Journal of Surface Science and Nanotechnology</i> , 2013 , 11, 72-75	0.7	6
164	Rotational Effects on the Dissociative Adsorption and Abstraction Dynamics of O ₂ /Al(111). <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 113602	1.5	4
163	Theoretical Study of Magnetic Anisotropy in Co/Ni Multi-Layers on W(110). <i>Journal of the Vacuum Society of Japan</i> , 2013 , 56, 139-141		2
162	First principles study of ortho-para H ₂ conversion on the O ₂ (0.25[ML])/Ag(111) system. <i>Current Applied Physics</i> , 2012 , 12, S115-S118	2.6	3
161	Oxygen vacancy effects on electronic structure of Pt/NiO/Pt capacitor-like system. <i>Surface Science</i> , 2012 , 606, 239-246	1.8	17
160	Ferromagnetic nanostructures of oxygen on Ag(111). <i>Journal of Physics: Conference Series</i> , 2012 , 379, 012013	0.3	1
159	First-principles study on oxygen ion conduction of La ₂ GeO ₅ based on the density functional theory. <i>Journal of Physics: Conference Series</i> , 2012 , 379, 012012	0.3	2
158	Critical Crossover Between Yosida-Kondo Dominant Regime and Magnetic Frustration Dominant Regime in the System of a Magnetic Trimer on a Metal Surface. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 023706	1.5	1
157	Effect of van der Waals Interaction on Ortho-Para Conversion of H ₂ on Ag(111) Surfaces. <i>Journal of the Vacuum Society of Japan</i> , 2012 , 55, 115-117		6
156	Theoretical study of hydrazine adsorption on Pt(111): Anti or cis?. <i>Surface Science</i> , 2011 , 605, 1347-1353	1.8	23
155	Effect of Lithium Adsorption at Tetrahedral Site and Isomorphic Substitution on Montmorillonite Properties: A Density Functional Theory Study. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 055701	1.4	4
154	Effect of antiferromagnetic RKKY interaction and magnetic field in a two-impurity Kondo system. <i>Physical Review B</i> , 2010 , 82,	3.3	15
153	Kondo Effect in the Systems of Magnetic Trimers on a Metal Surface. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 113706	1.5	5
152	Effect of RKKY Interaction on the System of Two Magnetic Atoms on a Metal Surface at Finite Temperatures. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 074702	1.5	13
151	Scanning tunneling spectroscopic evidence of crossover transition in the two-impurity Kondo problem. <i>Surface Science</i> , 2010 , 604, 2139-2149	1.8	8
150	High-uptake graphene hydrogenation: a computational perspective. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 474219	1.8	13
149	Spectroscopic profiles of a magnetic dimer on a metal surface. <i>Solid State Communications</i> , 2009 , 149, 1241-1243	1.6	16
148	Observation of two impurity Kondo effect in Scanning Tunneling Spectroscopy. <i>Journal of Physics: Conference Series</i> , 2009 , 150, 042125	0.3	

147	Effect of RKKY Interaction on the Scanning Tunneling Spectra of a Classic Kondo System ¶two Magnetic Atoms Adsorbed on a Metal Surface¶ <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 084705	1.5	9
146	Dissociative adsorption of O ₂ on Pt and Au surfaces: Potential-energy surfaces and electronic states. <i>Physical Review B</i> , 2008 , 77,	3.3	21
145	First Principles Based Investigation of Materials for Resistive RAM. <i>Journal of Computational and Theoretical Nanoscience</i> , 2008 , 5, 1976-1979	0.3	5
144	Effect of change in number of conduction electrons on the spin configuration in transition metal oxides. <i>Surface and Interface Analysis</i> , 2008 , 40, 1078-1081	1.5	1
143	First-principles calculations-based model for the reactive ion etching of metal oxide surfaces. <i>Vacuum</i> , 2008 , 83, 599-601	3.7	8
142	Adsorption of Fe and Co Nanowires to (3,3) Single-Walled Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 1788-1791	1.4	7
141	Influence of spin configuration on the transport properties of transition metal oxide nanostructures. <i>Solid State Communications</i> , 2007 , 142, 104-109	1.6	2
140	A nanoscale understanding of the adhesion of polybutylene terephthalate on aluminum. <i>Surface Science</i> , 2007 , 601, 5241-5245	1.8	2
139	Hydrogen pairing on graphene. <i>Carbon</i> , 2007 , 45, 218-220	10.4	57
138	First principles investigation on Fe-filled single-walled carbon nanotubes on Ni (111) and Cu (111). <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, e748-e750	2.8	6
137	Transport properties of a single-quantum dot Aharonov-Bohm interferometer. <i>European Physical Journal B</i> , 2007 , 57, 27-35	1.2	4
136	Identifying Hydrogen Atoms on Graphite. <i>Journal of the Physical Society of Japan</i> , 2007 , 76, 114703	1.5	10
135	Potential Energy of H ₂ Dissociation and Adsorption on Pt(111) Surface: First-Principles Calculation. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 4233-4237	1.4	28
134	Quantum states of hydrogen atom motion on the Pd(111) surface and in the subsurface. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 365214	1.8	16
133	Applying computational nanomaterials design to the reactive ion etching of NiO thin films-a preliminary investigation. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 365210	1.8	5
132	Pathways for SO(2) dissociation on Cu(100): density functional theory. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 365244	1.8	1
131	Quantum states of a hydrogen atom adsorbed on Cu(100) and (110) surfaces. <i>Physical Review B</i> , 2007 , 75,	3.3	12
130	Potential energy of hydrogen atom motion on Pd(111) surface and in subsurface: A first principles calculation. <i>Journal of Applied Physics</i> , 2007 , 101, 123530	2.5	46

129	Ortho-para H ₂ conversion on multiple-decked sandwich clusters of M(C ₆ H ₆) ₂ (M=Mn, Fe, Co) induced by an inhomogeneity of spin density distribution. <i>Thin Solid Films</i> , 2006 , 509, 223-226	2.2	7
128	First-Principles Calculations for Chemical Reaction between Sodium Diethyldithiocarbamate and Transition-Metal (Cr) atom to Produce Cr(DDC) ₃ and Cr(DDC) ₂ ODDC. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, L1103-L1105	1.4	3
127	Realizing a Carbon-Based Hydrogen Storage Material. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 1765-1767	2.2	22
126	Polybutylene terephthalate on metals: a density functional theory and cluster models investigation. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 1137-1142	1.8	6
125	MgH ₂ dissociation of magnesium hydride MgH ₂ catalyzed by 3d transition metals. <i>Thin Solid Films</i> , 2006 , 509, 157-159	2.2	31
124	Quantum dynamics study on the interaction of H ₂ on a Pt(111) surface. <i>Thin Solid Films</i> , 2006 , 509, 227-229	2.2	16
123	Glycine adsorption on single-walled carbon nanotubes. <i>Thin Solid Films</i> , 2006 , 509, 218-222	2.2	31
122	Temperature and magnetic field dependence of the Yosida-Rondo resonance for a single magnetic atom adsorbed on a surface. <i>Thin Solid Films</i> , 2006 , 509, 168-172	2.2	5
121	Molecular orientation dependence of ortho-para H ₂ conversion on Fe(OH) ₃ cluster induced by hyperfine contact interaction. <i>European Physical Journal D</i> , 2006 , 38, 99-101	1.3	4
120	Ab initio study for structure, electric properties and light emission of linear-trans-quinacridone. <i>European Physical Journal D</i> , 2006 , 38, 199-201	1.3	1
119	Amino acid adsorption on single-walled carbon nanotubes. <i>European Physical Journal D</i> , 2006 , 38, 117-120	2.2	52
118	Hydrogen atom quantum migration on platinum. <i>E-Journal of Surface Science and Nanotechnology</i> , 2006 , 4, 619-623	0.7	15
117	A first principles investigation on the interaction of oxomolybdenum porphyrin with O ₂ - Oxomolybdenum porphyrin as a catalyst for oxygen reduction -. <i>E-Journal of Surface Science and Nanotechnology</i> , 2006 , 4, 630-635	0.7	1
116	Amino Acid Adsorption Effects on Nanotube Electronics. <i>Shinku/Journal of the Vacuum Society of Japan</i> , 2006 , 49, 440-442		1
115	Polybutylene Terephthalate Adhesion on Metals: A Density Functional Theory Investigation. <i>Shinku/Journal of the Vacuum Society of Japan</i> , 2006 , 49, 433-436		1
114	Ground State Magnetic Properties of Fe Nanoislands on Cu(111). <i>Journal of the Physical Society of Japan</i> , 2005 , 74, 3057-3059	1.5	
113	Hydrogenase-based nanomaterials as anode electrode catalyst in polymer electrolyte fuel cells. <i>Solid State Communications</i> , 2005 , 133, 589-591	1.6	8
112	Transport properties via surface localized states of Ru, Rh and Pd thin films on Ag(111). <i>Solid State Communications</i> , 2005 , 135, 698-702	1.6	2

111	Photodesorption of hydrogen molecules physisorbed on Ag: Isotope dependence of translational-energy distribution. <i>Surface Science</i> , 2005 , 593, 229-234	1.8	10
110	Orientation dependence of O ₂ dissociation from hemeO ₂ adduct. <i>Chemical Physics Letters</i> , 2005 , 402, 71-74	2.5	26
109	Reactivity of gold thin films grown on iridium: Hydrogen dissociation. <i>Applied Catalysis A: General</i> , 2005 , 291, 55-61	5.1	13
108	Reactive gold thin films grown on iridium. <i>Applied Surface Science</i> , 2005 , 246, 68-71	6.7	13
107	Behavior of hydrogen atom at Nafion/Pt interface. <i>Solid State Communications</i> , 2005 , 134, 601-605	1.6	11
106	Temperature dependence of the spectral profile of the Yosida-Kondo resonance for a single magnetic atom adsorbed on a metal surface. <i>Surface Science</i> , 2005 , 593, 49-53	1.8	2
105	First Principles Studies for the Interaction of Hydrogen with a Li(100) Surface. <i>Journal of the Physical Society of Japan</i> , 2005 , 74, 478-482	1.5	13
104	Ab Initio Study of Cyclohexane Dehydrogenation on Pt(111). <i>Shinku/Journal of the Vacuum Society of Japan</i> , 2005 , 48, 208-210		
103	Electric and Magnetic Properties of Co-filled Carbon Nanotube. <i>Journal of the Physical Society of Japan</i> , 2005 , 74, 742-745	1.5	14
102	Spin Polarization Effects on O ₂ Dissociation from Heme-O ₂ Adduct. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, L57-L59	1.4	11
101	Reactive Ion Etching of NiFe Thin Films from First-Principles Study: A Case Study. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 893-894	1.4	9
100	First Principles Interpretation of Cyclohexane Dehydrogenation Process Using Pt. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 402-405	1.4	7
99	Site-Dependent Vibrationally Assisted Sticking Effect on H ₂ /Bi(001)2 \times 2 Surface Interactions. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 797-801	1.4	12
98	Trapping hydrogen with a bimetallic interface. <i>Physical Review B</i> , 2005 , 71,	3.3	16
97	Magnetized/charged MgH ₂ -based hydrogen storage materials. <i>Applied Physics Letters</i> , 2005 , 86, 213109	3.4	15
96	Dependence of oxygen dissociative adsorption on platinum surface structures. <i>Physical Review B</i> , 2005 , 72,	3.3	22
95	Diameter Dependent Magnetic and Electronic Properties of Single-Walled Carbon Nanotubes with Fe Nanowires. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 882-888	1.4	15
94	Bis(histidine)/Bis(imidazole) Heme Complex - Polymer Electrolyte Fuel Cell Application as an Alternative Cathode Electrode Catalyst -. <i>E-Journal of Surface Science and Nanotechnology</i> , 2005 , 3, 233-236	0.7	1

93	Density Functional Theory Investigation of One-Dimensional Organic-Metallic Multiple-Decked Sandwich Model. <i>Shinku/Journal of the Vacuum Society of Japan</i> , 2005 , 48, 232-234		2
92	Examining Poly(Phenylene Sulfide) Adhesion using Cluster Models. <i>Shinku/Journal of the Vacuum Society of Japan</i> , 2005 , 48, 235-237		6
91	Magnetic Properties of Fe Nanowire in the Carbon Nanotubes on Ni(111). <i>Shinku/Journal of the Vacuum Society of Japan</i> , 2005 , 48, 196-198		
90	Analysis of the Electronic States and Ferromagnetism in Diluted Magnetic Semiconductors Within the Dynamical Cluster Approximation. <i>Shinku/Journal of the Vacuum Society of Japan</i> , 2005 , 48, 163-165		
89	Stable Structures and Magnetic Properties of the Fe Adatom on Si(001). <i>Shinku/Journal of the Vacuum Society of Japan</i> , 2005 , 48, 199-201		1
88	Catalytic Reactivity of a Transition Metal (Pt, Pd, Ni and Cu) Atom on Cyclohexane Dehydrogenation. <i>Shinku/Journal of the Vacuum Society of Japan</i> , 2004 , 47, 155-158		4
87	Suppression of carrier spin polarization in diluted ferromagnetic semiconductors. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, S5787-S5790	1.8	5
86	The effect of hydrogen adsorption on the magnetic properties of Fe adatoms on Si(001). <i>Journal of Physics Condensed Matter</i> , 2004 , 16, S5763-S5767	1.8	3
85	Ab initio study of magnetic and electronic properties of Fe-filled single-walled carbon nanotubes. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, S5755-S5758	1.8	8
84	Change of magnetic properties of benzenes in multiple-decked sandwich clusters: $Mn(C_6H_6)_{n+1}$ ($n = 1,2$). <i>Journal of Physics Condensed Matter</i> , 2004 , 16, S5749-S5753	1.8	5
83	First-principles-based study of transport properties of Fe thin films on Cu surfaces. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, S5791-S5795	1.8	1
82	Spin Polarization of a Multiple-decked Sandwich Clusters: $M(C_6H_6)_2$ ($M = Mn, Fe, Co$). <i>Journal of the Physical Society of Japan</i> , 2004 , 73, 2292-2295	1.5	10
81	Vibrational properties of hydrogen atom adsorbed on Cu(111) and on Ir(111) surfaces. <i>Journal of Applied Physics</i> , 2004 , 96, 5020-5025	2.5	19
80	Scattering and dissociative adsorption of H ₂ on the armchair and zigzag edges of graphite. <i>Journal of Applied Physics</i> , 2004 , 96, 6331-6336	2.5	17
79	Impurity-induced T _c reduction in high-temperature superconductors. <i>Physical Review B</i> , 2004 , 70,	3.3	1
78	Ab Initio Study of Cyclohexane Dehydrogenation with a Transition Metal (Pt, Pd, Ni and Cu) Atom. <i>Journal of the Physical Society of Japan</i> , 2004 , 73, 1281-1284	1.5	11
77	Ab Initio Study of H ₂ Desorption from Magnesium Hydride MgH ₂ Cluster. <i>Journal of the Physical Society of Japan</i> , 2004 , 73, 2628-2630	1.5	20
76	Dissociation and Sticking of H ₂ on Mg(0001), Ti(0001) and La(0001) Surfaces. <i>Journal of the Physical Society of Japan</i> , 2004 , 73, 745-748	1.5	41

75	Cyclohexane dehydrogenation catalyst design based on spin polarization effects. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, S5721-S5724	1.8	13
74	PPS-metal adhesion: a density functional theory-based study. <i>Solid State Communications</i> , 2004 , 132, 405-408	1.6	8
73	H ₂ dissociative adsorption at the armchair edges of graphite. <i>Solid State Communications</i> , 2004 , 132, 713-718	1.6	31
72	H ₂ dissociative adsorption on Mg, Ti, Ni, Pd and La Surfaces. <i>Surface Science</i> , 2004 , 566-568, 703-707	1.8	61
71	Hydrogen adsorption on Ag and Au monolayers grown on Pt(1 1 1). <i>Surface Science</i> , 2004 , 566-568, 755-760	1.8	20
70	Electronic structure of Fe, Co, Ni nanowires on Cu(111). <i>Surface Science</i> , 2004 , 566-568, 1052-1056	1.8	11
69	Influence of nonmagnetic impurities on spin correlations in high-T _c superconductors. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E169-E170	2.8	
68	Spin-dependent transport through Fe nanowires on Cu surfaces. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1650-1651	2.8	4
67	Inducing spin polarization in carbon materials by introducing magnetic adsorbates on a planar C ₁₀ . <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1602-1603	2.8	2
66	Magnetic and transport properties of Fe atom bridge constructed between an STM tip and a solid surface. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E1411-E1412	2.8	
65	Tuning of dissociative-adsorption processes on Cu{1 0 0} by controlling the kinetic energy of the impinging O ₂ molecule. <i>Chemical Physics</i> , 2004 , 301, 315-320	2.3	16
64	Dynamical Cluster Approximation in Disordered Systems with Magnetic Impurities. <i>Journal of the Physical Society of Japan</i> , 2004 , 73, 3448-3452	1.5	4
63	Cyclohexane Dehydrogenation Process Design Using Ni - Spin Polarization Effects -. <i>E-Journal of Surface Science and Nanotechnology</i> , 2004 , 2, 200-204	0.7	9
62	Hemoglobin Components as Cathode Electrode Catalyst in Polymer Electrolyte Fuel Cells. <i>E-Journal of Surface Science and Nanotechnology</i> , 2004 , 2, 226-229	0.7	11
61	H ₂ Dissociative Adsorption at the Zigzag Edges of Graphite. <i>E-Journal of Surface Science and Nanotechnology</i> , 2004 , 2, 77-80	0.7	23
60	Band Structure and Surface Localized States of Fe Thin Film on Cu Surface. <i>Shinku/Journal of the Vacuum Society of Japan</i> , 2004 , 47, 232-234		4
59	Theoretical Study of Effects of Impurities on High Temperature Cuprate Superconductors. <i>Shinku/Journal of the Vacuum Society of Japan</i> , 2004 , 47, 228-231		
58	First Principles Studies on the Interaction of a Hydrogen Atom with a Single-Walled Carbon Nanotube. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, 4626-4629	1.4	14

39	Steric effect on α/β conversion of a H ₂ interacting with a 3d impurity sitting on a metal oxide surface. <i>Surface Science</i> , 2002 , 514, 273-282	1.8	3
38	On the influence of incident angle in the scattering dynamics of D ₂ from NiAl(110). <i>Chemical Physics Letters</i> , 2002 , 359, 127-134	2.5	9
37	Isotope effects on direct and indirect processes of hydrogen abstraction from Cu(111). <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 4345-4354	1.8	3
36	Dynamical quantum filtering in the scattering dynamics of H ₂ on Cu(001). <i>Journal of Physics Condensed Matter</i> , 2002 , 14, L479-L486	1.8	9
35	Effects of H coverage on the dynamics of H abstraction from Cu(111). <i>Surface Science</i> , 2002 , 507-510, 838-844	1.8	6
34	Quantum Dynamics of Abstraction in H(g)+H(a)/Cu(111): Direct (Eley-Rideal) and Indirect (Hot-Atom) Processes. <i>Journal of the Physical Society of Japan</i> , 2002 , 71, 222-227	1.5	7
33	Can we probe local surface reactivity with hydrogen molecules?. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 4379-4384	1.8	6
32	Dynamical phenomena including many body effects at metal surfaces. <i>Surface Science</i> , 2002 , 500, 105-1268		2
31	Many body effects in elementary processes at metal surfaces. <i>Surface Science Reports</i> , 2001 , 43, 1-43	12.9	31
30	Adsorbate dynamics induced by STM. <i>Applied Surface Science</i> , 2001 , 169-170, 25-29	6.7	5
29	Effects of surface corrugation on the molecular rotational dependence of H ₂ dissociative adsorption dynamics on Cu(100). <i>Applied Surface Science</i> , 2001 , 169-170, 30-35	6.7	11
28	Dissociative adsorption dynamics of H ₂ at the atop-Pt, atop-Cu, and Cu-Pt bridge sites of an ordered Cu ₃ Pt(111) [orientational effects. <i>Applied Surface Science</i> , 2001 , 169-170, 36-41	6.7	9
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