

# Wilson Agerico Dio

## List of Publications by Citations

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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	First principles studies for the dissociative adsorption of H <sub>2</sub> on graphene. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 3395-3400	2.5	129
199	Oriental effects in dissociative adsorption/associative desorption dynamics of H <sub>2</sub> (D <sub>2</sub> ) on Cu and Pd. <i>Progress in Surface Science</i> , <b>2000</b> , 63, 63-134	6.6	96
198	H <sub>2</sub> dissociative adsorption on Mg, Ti, Ni, Pd and La Surfaces. <i>Surface Science</i> , <b>2004</b> , 566-568, 703-707	1.8	61
197	Effective Pathway for Hydrogen Atom Adsorption on Graphene. <i>Journal of the Physical Society of Japan</i> , <b>2003</b> , 72, 995-997	1.5	61
196	Hydrogen pairing on graphene. <i>Carbon</i> , <b>2007</b> , 45, 218-220	10.4	57
195	Amino acid adsorption on single-walled carbon nanotubes. <i>European Physical Journal D</i> , <b>2006</b> , 38, 117-120	3	52
194	Potential energy of hydrogen atom motion on Pd(111) surface and in subsurface: A first principles calculation. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 123530	2.5	46
193	Dissociation and Sticking of H <sub>2</sub> on Mg(0001), Ti(0001) and La(0001) Surfaces. <i>Journal of the Physical Society of Japan</i> , <b>2004</b> , 73, 745-748	1.5	41
192	Photostimulated desorption and ortho-para conversion of H <sub>2</sub> on Ag surfaces. <i>Physical Review Letters</i> , <b>2003</b> , 90, 096103	7.4	38
191	Effect of oxygen vacancy on the adsorption of O <sub>2</sub> on anatase TiO <sub>2</sub> (001): A DFT-based study. <i>Surface Science</i> , <b>2015</b> , 633, 38-45	1.8	35
190	Role of Rotational Motion in the Dissociative Adsorption and Associative Desorption Dynamics of D <sub>2</sub> /Cu(111). <i>Physical Review Letters</i> , <b>1997</b> , 78, 286-289	7.4	34
189	MgH <sub>2</sub> dissociation of magnesium hydride MgH <sub>2</sub> catalyzed by 3d transition metals. <i>Thin Solid Films</i> , <b>2006</b> , 509, 157-159	2.2	31
188	Glycine adsorption on single-walled carbon nanotubes. <i>Thin Solid Films</i> , <b>2006</b> , 509, 218-222	2.2	31
187	H <sub>2</sub> dissociative adsorption at the armchair edges of graphite. <i>Solid State Communications</i> , <b>2004</b> , 132, 713-718	1.6	31
186	Many body effects in elementary processes at metal surfaces. <i>Surface Science Reports</i> , <b>2001</b> , 43, 1-43	12.9	31
185	Spatial and spectroscopic profiles of the Kondo resonance for magnetic atoms on metal surfaces. <i>Journal of Applied Physics</i> , <b>1999</b> , 86, 6970-6974	2.5	31
184	Potential Energy of H <sub>2</sub> Dissociation and Adsorption on Pt(111) Surface: First-Principles Calculation. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 4233-4237	1.4	28

183	Effects of Rotational State Excitations on the Dissociative Adsorption Dynamics of D <sub>2</sub> /Cu(111). <i>Journal of the Physical Society of Japan</i> , <b>1995</b> , 64, 2478-2487	1.5	27
182	Orientation dependence of O <sub>2</sub> dissociation from hemeO <sub>2</sub> adduct. <i>Chemical Physics Letters</i> , <b>2005</b> , 402, 71-74	2.5	26
181	Theoretical study of hydrazine adsorption on Pt(111): Anti or cis?. <i>Surface Science</i> , <b>2011</b> , 605, 1347-1353	1.8	23
180	Rotational and Vibrational Coupling Effects on the Dissociative Adsorption and Associative Desorption Dynamics of D <sub>2</sub> /Cu(111). <i>Journal of the Physical Society of Japan</i> , <b>1999</b> , 68, 887-892	1.5	23
179	H <sub>2</sub> Dissociative Adsorption at the Zigzag Edges of Graphite. <i>E-Journal of Surface Science and Nanotechnology</i> , <b>2004</b> , 2, 77-80	0.7	23
178	Realizing a Carbon-Based Hydrogen Storage Material. <i>Japanese Journal of Applied Physics</i> , <b>2006</b> , 45, 1765-1767	1.7	22
177	Dependence of oxygen dissociative adsorption on platinum surface structures. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	22
176	Dynamical quantum filtering in hydrogen surface reactions. <i>Surface Science</i> , <b>1998</b> , 418, L39-L44	1.8	21
175	Dissociative adsorption of O <sub>2</sub> on Pt and Au surfaces: Potential-energy surfaces and electronic states. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	21
174	Ab Initio Study of H <sub>2</sub> Desorption from Magnesium Hydride MgH <sub>2</sub> Cluster. <i>Journal of the Physical Society of Japan</i> , <b>2004</b> , 73, 2628-2630	1.5	20
173	Hydrogen adsorption on Ag and Au monolayers grown on Pt(1 1 1). <i>Surface Science</i> , <b>2004</b> , 566-568, 755-760	1.6	20
172	Surface science-based reaction design: increasing the ortho/para hydrogen conversion yield via molecular orientation, a case study. <i>Progress in Surface Science</i> , <b>2003</b> , 72, 53-86	6.6	20
171	Effects of Correlation between Molecular Diffraction and Rotational Excitation on the Scattering Dynamics of H <sub>2</sub> from Cu(001). <i>Journal of the Physical Society of Japan</i> , <b>2000</b> , 69, 3878-3884	1.5	20
170	Stable Hydrogen Configurations between Graphite Layers. <i>Journal of the Physical Society of Japan</i> , <b>2003</b> , 72, 1867-1870	1.5	19
169	Vibrational properties of hydrogen atom adsorbed on Cu(111) and on Ir(111) surfaces. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 5020-5025	2.5	19
168	Rotational Alignment in the Associative Desorption Dynamics of Hydrogen Molecules from Metal Surfaces. <i>Journal of the Physical Society of Japan</i> , <b>1998</b> , 67, 1517-1520	1.5	18
167	Experimental and Theoretical Studies on Oxidation of Cu-Au Alloy Surfaces: Effect of Bulk Au Concentration. <i>Scientific Reports</i> , <b>2016</b> , 6, 31101	4.9	18
166	Oxygen vacancy effects on electronic structure of Pt/NiO/Pt capacitor-like system. <i>Surface Science</i> , <b>2012</b> , 606, 239-246	1.8	17

165	Scattering and dissociative adsorption of H <sub>2</sub> on the armchair and zigzag edges of graphite. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 6331-6336	2.5	17
164	Spectroscopic profiles of a magnetic dimer on a metal surface. <i>Solid State Communications</i> , <b>2009</b> , 149, 1241-1243	1.6	16
163	Quantum states of hydrogen atom motion on the Pd(111) surface and in the subsurface. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 365214	1.8	16
162	Quantum dynamics study on the interaction of H <sub>2</sub> on a Pt(111) surface. <i>Thin Solid Films</i> , <b>2006</b> , 509, 227-229		16
161	Tuning of dissociative-adsorption processes on Cu{1 0 0} by controlling the kinetic energy of the impinging O <sub>2</sub> molecule. <i>Chemical Physics</i> , <b>2004</b> , 301, 315-320	2.3	16
160	Trapping hydrogen with a bimetallic interface. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	16
159	Effect of antiferromagnetic RKKY interaction and magnetic field in a two-impurity Kondo system. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	15
158	Magnetized/charged MgH <sub>2</sub> -based hydrogen storage materials. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 213109	3.4	15
157	Diameter Dependent Magnetic and Electronic Properties of Single-Walled Carbon Nanotubes with Fe Nanowires. <i>Japanese Journal of Applied Physics</i> , <b>2005</b> , 44, 882-888	1.4	15
156	Combined effect of molecular rotational and surface vibrational excitations on the dissociative adsorption dynamics of. <i>Surface Science</i> , <b>1996</b> , 363, 52-61	1.8	15
155	Hydrogen atom quantum migration on platinum. <i>E-Journal of Surface Science and Nanotechnology</i> , <b>2006</b> , 4, 619-623	0.7	15
154	First Principles Studies on the Interaction of a Hydrogen Atom with a Single-Walled Carbon Nanotube. <i>Japanese Journal of Applied Physics</i> , <b>2003</b> , 42, 4626-4629	1.4	14
153	Electric and Magnetic Properties of Co-filled Carbon Nanotube. <i>Journal of the Physical Society of Japan</i> , <b>2005</b> , 74, 742-745	1.5	14
152	Scattering Dynamics of Hydrogen Molecules on Metal Alloy Surfaces Probing Local Surface Reactivity with Hydrogen Molecules. <i>Journal of the Physical Society of Japan</i> , <b>2001</b> , 70, 3491-3494	1.5	14
151	High-uptake graphene hydrogenation: a computational perspective. <i>Journal of Physics Condensed Matter</i> , <b>2009</b> , 21, 474219	1.8	13
150	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> , <b>2010</b> , 79, 074702	1.5	13
149	Rotational Effects in the Dissociative Adsorption Dynamics of Hydrogen on a Pd Surface. <i>Journal of the Physical Society of Japan</i> , <b>1997</b> , 66, 3344-3347	1.5	13
148	Cyclohexane dehydrogenation catalyst design based on spin polarization effects. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, S5721-S5724	1.8	13

147	Reactivity of gold thin films grown on iridium: Hydrogen dissociation. <i>Applied Catalysis A: General</i> , <b>2005</b> , 291, 55-61	5.1	13
146	Reactive gold thin films grown on iridium. <i>Applied Surface Science</i> , <b>2005</b> , 246, 68-71	6.7	13
145	First Principles Studies for the Interaction of Hydrogen with a Li(100) Surface. <i>Journal of the Physical Society of Japan</i> , <b>2005</b> , 74, 478-482	1.5	13
144	Initial stages of Cu <sub>3</sub> Au(111) oxidation: oxygen induced Cu segregation and the protective Au layer profile. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 3815-22	3.6	12
143	Conformational effects on hydrazine and OH coadsorption on Ni(111): A first-principles investigation. <i>Surface Science</i> , <b>2017</b> , 664, 185-193	1.8	12
142	Magnetic domain patterns on strong perpendicular magnetization of Co/Ni multilayers as spintronics materials: II. Numerical simulations. <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 395005	1.8	12
141	Magnetic domain patterns on strong perpendicular magnetization of Co/Ni multilayers as spintronics materials: I. Dynamic observations. <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 406001	1.8	12
140	Quantum states of a hydrogen atom adsorbed on Cu(100) and (110) surfaces. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	12
139	Spatial and temperature dependence of the spectroscopic profile of a magnetic atom adsorbed on a metal surface Co/Cu(111). <i>Journal of Applied Physics</i> , <b>2003</b> , 94, 334-341	2.5	12
138	Site-Dependent Vibrationally Assisted Sticking Effect on H <sub>2</sub> Bi(001)2×2 Surface Interactions. <i>Japanese Journal of Applied Physics</i> , <b>2005</b> , 44, 797-801	1.4	12
137	Vibrational and rotational coupling effects in the direct scattering of H <sub>2</sub> from Cu(111). <i>Surface Science</i> , <b>1999</b> , 438, 254-260	1.8	12
136	CO-induced Pd segregation and the effect of subsurface Pd on CO adsorption on CuPd surfaces. <i>Journal of Physics Condensed Matter</i> , <b>2017</b> , 29, 025005	1.8	11
135	Stable Structures of Fe Nanowires on Cu(111). <i>Japanese Journal of Applied Physics</i> , <b>2003</b> , 42, 4633-4635	1.4	11
134	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> , <b>2004</b> , 73, 1281-1284	1.5	11
133	Electronic structure of Fe, Co, Ni nanowires on Cu(111). <i>Surface Science</i> , <b>2004</b> , 566-568, 1052-1056	1.8	11
132	Behavior of hydrogen atom at Nafion/Pt interface. <i>Solid State Communications</i> , <b>2005</b> , 134, 601-605	1.6	11
131	Spin Polarization Effects on O <sub>2</sub> Dissociation from Heme-O <sub>2</sub> Adduct. <i>Japanese Journal of Applied Physics</i> , <b>2005</b> , 44, L57-L59	1.4	11
130	Effects of surface corrugation on the molecular rotational dependence of H <sub>2</sub> dissociative adsorption dynamics on Cu(100). <i>Applied Surface Science</i> , <b>2001</b> , 169-170, 30-35	6.7	11

129	Behavior of a magnetic atom on a metal surface. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2000</b> , 109, 63-70	1.7	11
128	A microscopic theory of STM-induced CO desorption from Cu(111). <i>Surface Science</i> , <b>1999</b> , 438, 283-288	1.8	11
127	Hemoglobin Components as Cathode Electrode Catalyst in Polymer Electrolyte Fuel Cells. <i>E-Journal of Surface Science and Nanotechnology</i> , <b>2004</b> , 2, 226-229	0.7	11
126	Enhanced molecular adsorption of ethylene on reduced anatase TiO <sub>2</sub> (001): role of surface O-vacancies. <i>RSC Advances</i> , <b>2016</b> , 6, 92241-92251	3.7	11
125	Identifying Hydrogen Atoms on Graphite. <i>Journal of the Physical Society of Japan</i> , <b>2007</b> , 76, 114703	1.5	10
124	H/Pd(111) Adsorption and Desorption Dynamics -Hydrogen-Induced Lattice Relaxation Effects-. <i>Japanese Journal of Applied Physics</i> , <b>2003</b> , 42, 4630-4632	1.4	10
123	Spin Polarization of a Multiple-decked Sandwich Clusters: M(C <sub>6</sub> H <sub>6</sub> ) <sub>2</sub> (M = Mn, Fe, Co). <i>Journal of the Physical Society of Japan</i> , <b>2004</b> , 73, 2292-2295	1.5	10
122	A theoretical analysis of quantum mirages on a Cu(111) surface. <i>Surface Science</i> , <b>2002</b> , 514, 89-94	1.8	10
121	Photodesorption of hydrogen molecules physisorbed on Ag: Isotope dependence of translational-energy distribution. <i>Surface Science</i> , <b>2005</b> , 593, 229-234	1.8	10
120	Spatial and Spectroscopic Profiles of the Kondo Resonance for a Single Magnetic Atom on a Metal Surface under an External Magnetic Field. <i>Japanese Journal of Applied Physics</i> , <b>2000</b> , 39, 4359-4362	1.4	10
119	Molecular orientation dependence of $\sigma$ $\rightarrow$ $\pi$ H <sub>2</sub> conversion on a 3d impurity sitting on a metal oxide surface. <i>Surface Science</i> , <b>2001</b> , 493, 285-291	1.8	10
118	Molecular Orientation Dependence of $\sigma$ $\rightarrow$ $\pi$ Conversion of H <sub>2</sub> Scattered from a 3d Impurity Sitting on a Metal Oxide Surface. <i>Journal of the Physical Society of Japan</i> , <b>2001</b> , 70, 3654-3659	1.5	10
117	Effect of RKKY Interaction on the Scanning Tunneling Spectra of a Classic Kondo System $\Pi$ Two Magnetic Atoms Adsorbed on a Metal Surface $\square$ <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 084705	1.5	9
116	On the influence of incident angle in the scattering dynamics of D <sub>2</sub> from NiAl(110). <i>Chemical Physics Letters</i> , <b>2002</b> , 359, 127-134	2.5	9
115	Reactive Ion Etching of NiFe Thin Films from First-Principles Study: A Case Study. <i>Japanese Journal of Applied Physics</i> , <b>2005</b> , 44, 893-894	1.4	9
114	Dissociative adsorption dynamics of H <sub>2</sub> at the atop-Pt, atop-Cu, and Cu $\rightarrow$ Pt bridge sites of an ordered Cu <sub>3</sub> Pt(111) $\square$ orientational effects. <i>Applied Surface Science</i> , <b>2001</b> , 169-170, 36-41	6.7	9
113	Dynamical quantum filtering in the scattering dynamics of H <sub>2</sub> on Cu(001). <i>Journal of Physics Condensed Matter</i> , <b>2002</b> , 14, L479-L486	1.8	9
112	H <sub>2</sub> dissociation dynamics on an alloy surface $\square$ controlling the dynamics via orientation. <i>Surface Science</i> , <b>2001</b> , 493, 278-284	1.8	9

111	Dissociative Adsorption Dynamics of H <sub>2</sub> (D <sub>2</sub> ) on Metal Alloy Surfaces - A First Step Towards Surface Reaction Design/Control -. <i>Journal of the Physical Society of Japan</i> , <b>2000</b> , 69, 993-996	1.5	9
110	Cyclohexane Dehydrogenation Process Design Using Ni - Spin Polarization Effects -. <i>E-Journal of Surface Science and Nanotechnology</i> , <b>2004</b> , 2, 200-204	0.7	9
109	Effects of Adsorbates (CO, COH, and HCO) on the Arrangement of Pd Atoms in PdCu(111). <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 17818-17826	3.8	8
108	Scanning tunneling spectroscopic evidence of crossover transition in the two-impurity Kondo problem. <i>Surface Science</i> , <b>2010</b> , 604, 2139-2149	1.8	8
107	First-principles calculations-based model for the reactive ion etching of metal oxide surfaces. <i>Vacuum</i> , <b>2008</b> , 83, 599-601	3.7	8
106	Ab initio study of magnetic and electronic properties of Fe-filled single-walled carbon nanotubes. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, S5755-S5758	1.8	8
105	PPS-metal adhesion: a density functional theory-based study. <i>Solid State Communications</i> , <b>2004</b> , 132, 405-408	1.6	8
104	Dynamics of STM-Induced Acetylene Dissociation on Cu(100). <i>Journal of the Physical Society of Japan</i> , <b>2002</b> , 71, 569-573	1.5	8
103	Hydrogenase-based nanomaterials as anode electrode catalyst in polymer electrolyte fuel cells. <i>Solid State Communications</i> , <b>2005</b> , 133, 589-591	1.6	8
102	Dynamics of STM-induced acetylene rotation on Cu(100). <i>Surface Science</i> , <b>2000</b> , 454-456, 1052-1057	1.8	8
101	Dynamics of STM-Induced CO Desorption from Cu(111). <i>Journal of the Physical Society of Japan</i> , <b>1998</b> , 67, 4018-4021	1.5	8
100	Spin-Dependent O Binding to Hemoglobin. <i>ACS Omega</i> , <b>2018</b> , 3, 9241-9245	3.9	8
99	Adsorption of Fe and Co Nanowires to (3,3) Single-Walled Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 1788-1791	1.4	7
98	Ortho-para H <sub>2</sub> conversion on multiple-decked sandwich clusters of M(C <sub>6</sub> H <sub>6</sub> ) <sub>2</sub> (M=Mn, Fe, Co) induced by an inhomogeneity of spin density distribution. <i>Thin Solid Films</i> , <b>2006</b> , 509, 223-226	2.2	7
97	First Principles Interpretation of Cyclohexane Dehydrogenation Process Using Pt. <i>Japanese Journal of Applied Physics</i> , <b>2005</b> , 44, 402-405	1.4	7
96	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> , <b>2002</b> , 71, 222-227	1.5	7
95	Rotational state modification and fast ortho-para conversion of H <sub>2</sub> trapped within the highly anisotropic potential of Pd(210). <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	6
94	Analysis of the Changes in Electronic Structures and Work Function Variation in Alkali Metal <sup>+</sup> -Metal Surface Systems. <i>Journal of the Vacuum Society of Japan</i> , <b>2014</b> , 57, 27-31		6

93	Tunneling Effect of O2 in Dissociative Adsorption on Pt(111) Surface. <i>E-Journal of Surface Science and Nanotechnology</i> , <b>2013</b> , 11, 72-75	0.7	6
92	First principles investigation on Fe-filled single-walled carbon nanotubes on Ni (111) and Cu (111). <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, e748-e750	2.8	6
91	Polybutylene terephthalate on metals: a density functional theory and cluster models investigation. <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, 1137-1142	1.8	6
90	Molecular orientation dependence of ortho-para conversion of a H2 interacting with a metal surface. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 644-648	2.5	6
89	Effects of H coverage on the dynamics of H abstraction from Cu(111). <i>Surface Science</i> , <b>2002</b> , 507-510, 838-844	1.8	6
88	Can we probe local surface reactivity with hydrogen molecules?. <i>Journal of Physics Condensed Matter</i> , <b>2002</b> , 14, 4379-4384	1.8	6
87	Examining Poly(Phenylene Sulfide) Adhesion using Cluster Models. <i>Shinku/Journal of the Vacuum Society of Japan</i> , <b>2005</b> , 48, 235-237		6
86	Effect of van der Waals Interaction on Ortho-Para Conversion of H2 on Ag(111) Surfaces. <i>Journal of the Vacuum Society of Japan</i> , <b>2012</b> , 55, 115-117		6
85	CH3Cl/Cu(410): Interaction and Adsorption Geometry. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 11825-11831	3.8	5
84	Kondo Effect in the Systems of Magnetic Trimers on a Metal Surface. <i>Journal of the Physical Society of Japan</i> , <b>2010</b> , 79, 113706	1.5	5
83	First Principles Based Investigation of Materials for Resistive RAM. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2008</b> , 5, 1976-1979	0.3	5
82	Applying computational nanomaterials design to the reactive ion etching of NiO thin films-a preliminary investigation. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 365210	1.8	5
81	Temperature and magnetic field dependence of the Yosida-Kondo resonance for a single magnetic atom adsorbed on a surface. <i>Thin Solid Films</i> , <b>2006</b> , 509, 168-172	2.2	5
80	Suppression of carrier spin polarization in diluted ferromagnetic semiconductors. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, S5787-S5790	1.8	5
79	Change of magnetic properties of benzenes in multiple-decked sandwich clusters: Mnn(C6H6)n+1 (n = 1,2). <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, S5749-S5753	1.8	5
78	Adsorbate dynamics induced by STM. <i>Applied Surface Science</i> , <b>2001</b> , 169-170, 25-29	6.7	5
77	Isotope effects on the rotationally inelastic diffraction dynamics of hydrogen scattered from Cu(001). <i>Surface Science</i> , <b>2001</b> , 493, 298-304	1.8	5
76	Magnetic-Adsorbate-Induced Spin Polarization in Carbon Materials Two Fe Atoms on Planar C10 and C10H8. <i>Journal of the Physical Society of Japan</i> , <b>2003</b> , 72, 2413-2416	1.5	5



75	C <sub>2</sub> H <sub>4</sub> adsorption on Cu(210), revisited: bonding nature and coverage effects. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 23621-7	3.6	5
74	Dynamics of Mu, H, D, and T Absorption into Pd(111): Isotope Effects. <i>Journal of the Physical Society of Japan</i> , <b>2014</b> , 83, 013601	1.5	4
73	Rotational Effects on the Dissociative Adsorption and Abstraction Dynamics of O <sub>2</sub> /Al(111). <i>Journal of the Physical Society of Japan</i> , <b>2013</b> , 82, 113602	1.5	4
72	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> , <b>2011</b> , 50, 055701	1.4	4
71	Transport properties of a single-quantum dot Aharonov-Bohm interferometer. <i>European Physical Journal B</i> , <b>2007</b> , 57, 27-35	1.2	4
70	Molecular orientation dependence of ortho-para H <sub>2</sub> conversion on Fe(OH) <sub>3</sub> cluster induced by hyperfine contact interaction. <i>European Physical Journal D</i> , <b>2006</b> , 38, 99-101	1.3	4
69	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> , <b>2004</b> , 47, 155-158		4
68	Spin-dependent transport through Fe nanowires on Cu surfaces. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, 1650-1651	2.8	4
67	Dynamical Cluster Approximation in Disordered Systems with Magnetic Impurities. <i>Journal of the Physical Society of Japan</i> , <b>2004</b> , 73, 3448-3452	1.5	4
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