Geunsik Lee

List of Publications by Year in descending order

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Version: 2024-02-01

117 papers		6,722 citations	35 h-index	6.	80 g-index
124 all docs	Ċ	124 locs citations	124 times ranked		11434 citing authors

#	Article	IF	CITATIONS
1	Geomimetic Hydrothermal Synthesis of Polyimideâ€Based Covalent Organic Frameworks. Angewandte Chemie, 2022, 134, .	2.0	5
2	Geomimetic Hydrothermal Synthesis of Polyimideâ€Based Covalent Organic Frameworks. Angewandte Chemie - International Edition, 2022, 61, .	13.8	30
3	Controlling interlayer magnetic coupling in the two-dimensional magnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mphysical .<="" 105,="" 2022,="" b,="" review="" td=""><td>ın 832 /mm</td><td>l:n9n></td></mml:mphysical></mml:msub></mml:mrow></mml:math>	ın 832 /mm	l:n 9 n>
4	Innentitelbild: Geomimetic Hydrothermal Synthesis of Polyimideâ€Based Covalent Organic Frameworks (Angew. Chem. 4/2022). Angewandte Chemie, 2022, 134, .	2.0	0
5	Machine learning assisted high-throughput screening of transition metal single atom based superb hydrogen evolution electrocatalysts. Journal of Materials Chemistry A, 2022, 10, 6679-6689.	10.3	74
6	Dissolving Diamond: Kinetics of the Dissolution of (100) and (110) Single Crystals in Nickel and Cobalt Films. Chemistry of Materials, 2022, 34, 2599-2611.	6.7	3
7	Enhanced band-filling effect in halide perovskites via hydrophobic conductive linkers. Cell Reports Physical Science, 2022, 3, 100800.	5.6	3
8	Solar-to-hydrogen peroxide conversion of photocatalytic carbon dots with anthraquinone: Unveiling the dual role of surface functionalities. Applied Catalysis B: Environmental, 2022, 312, 121379.	20.2	28
9	A single-atom vanadium-doped 2D semiconductor platform for attomolar-level molecular sensing. Journal of Materials Chemistry A, 2022, 10, 13298-13304.	10.3	12
10	Unveiling the Role of Charge Transfer in Enhanced Electrochemical Nitrogen Fixation at Single-Atom Catalysts on BX Sheets (X = As, P, Sb). Journal of Physical Chemistry Letters, 2022, 13, 4530-4537.	4.6	29
11	Fe- and Co-based magnetic tunnel junctions with AlN and ZnO spacers. Physical Review B, 2022, 105, .	3.2	3
12	Molecularly Engineered Carbon Platform To Anchor Edge-Hosted Single-Atomic M–N/C (M = Fe, Co, Ni,) Tj ETQo	q0,0 0 rgB	T ¦Qverlock 1
13	Conformational heterogeneity of molecules physisorbed on a gold surface at room temperature. Nature Communications, 2022, 13, .	12.8	7
14	Unprecedented electrocatalytic oxygen evolution performances by cobalt-incorporated molybdenum carbide microflowers with controlled charge re-distribution. Journal of Materials Chemistry A, 2021, 9, 1770-1783.	10.3	13
15	Facile room-temperature self-assembly of extended cation-free guanine-quartet network on Mo-doped Au(111) surface. Nanoscale Advances, 2021, 3, 3867-3874.	4.6	2
16	The impact of molecular orientation on carrier transfer characteristics at a phthalocyanine and halide perovskite interface. RSC Advances, 2021, 11, 31776-31782.	3.6	6
17	Tipâ€Induced Nanoâ€Engineering of Strain, Bandgap, and Exciton Funneling in 2D Semiconductors. Advanced Materials, 2021, 33, e2008234.	21.0	44
18	Graphene Antiadhesion Layer for the Effective Peel-and-Pick Transfer of Metallic Electrodes toward Flexible Electronics. ACS Applied Materials & Samp; Interfaces, 2021, 13, 22000-22008.	8.0	2

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19	First principles and machine learning based superior catalytic activities and selectivities for N _{2< sub> reduction in MBenes, defective 2D materials and 2D π-conjugated polymer-supported single atom catalysts. Journal of Materials Chemistry A, 2021, 9, 9203-9213.}	10.3	67
20	Triboelectric Charge-Driven Enhancement of the Output Voltage of BiSbTe-Based Thermoelectric Generators. ACS Energy Letters, 2021, 6, 1095-1103.	17.4	18
21	Late Transition Metal Doped MXenes Showing Superb Bifunctional Electrocatalytic Activities for Water Splitting via Distinctive Mechanistic Pathways. Advanced Energy Materials, 2021, 11, 2102388.	19.5	73
22	Edge functionalized graphene nanoribbons with tunable band edges for carrier transport interlayers in organic–inorganic perovskite solar cells. Physical Chemistry Chemical Physics, 2020, 22, 2955-2962.	2.8	4
23	Transport gaps in ideal zigzag-edge graphene nanoribbons with chemical edge disorder. Applied Surface Science, 2020, 512, 144714.	6.1	5
24	Immobilizing single atom catalytic sites onto highly reduced carbon hosts: Fe–N ₄ /CNT as a durable oxygen reduction catalyst for Na–air batteries. Journal of Materials Chemistry A, 2020, 8, 18891-18902.	10.3	31
25	Unveiling 79â€Yearâ€Old Ixene and Its BNâ€Doped Derivative. Angewandte Chemie, 2020, 132, 15001-15005.	2.0	7
26	Unveiling 79â€Yearâ€Old Ixene and Its BNâ€Doped Derivative. Angewandte Chemie - International Edition, 2020, 59, 14891-14895.	13.8	29
27	Zwitterionic Conjugated Surfactant Functionalization of Graphene with pHâ€Independent Dispersibility: An Efficient Electron Mediator for the Oxygen Evolution Reaction in Acidic Media. Small, 2020, 16, 1906635.	10.0	8
28	Ultrasensitive Plasmon-Free Surface-Enhanced Raman Spectroscopy with Femtomolar Detection Limit from 2D van der Waals Heterostructure. Nano Letters, 2020, 20, 1620-1630.	9.1	60
29	A new class of ferromagnetic semiconductor: Copper molybdate organic-inorganic compound with phenanthroline organic linkers. Journal of Magnetism and Magnetic Materials, 2020, 508, 166881.	2.3	2
30	A high performance N-doped graphene nanoribbon based spintronic device applicable with a wide range of adatoms. Nanoscale Advances, 2020, 2, 5905-5911.	4.6	10
31	Homogeneous Li deposition through the control of carbon dot-assisted Li-dendrite morphology for high-performance Li-metal batteries. Journal of Materials Chemistry A, 2019, 7, 20325-20334.	10.3	35
32	An effective approach to realize graphene based p-n junctions via adsorption of donor and acceptor molecules. Carbon, 2019, 153, 525-530.	10.3	6
33	Multiferroicity in atomic van der Waals heterostructures. Nature Communications, 2019, 10, 2657.	12.8	224
34	Band gap tuning and excitonic effect in chloroâ€fluorinated graphene. Surface Science, 2019, 686, 39-44.	1.9	11
35	Electrocatalytic property of water oxidation reaction depends on charging state of intermediates on Ag-M (M = Fe, co, Ni, Cu) in alkaline media. International Journal of Hydrogen Energy, 2019, 44, 5863-5871.	7.1	5
36	Signature of multilayer growth of 2D layered Bi2Se3 through heteroatom-assisted step-edge barrier reduction. Npj 2D Materials and Applications, 2019, 3, .	7.9	1

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37	A New Perspective on the Role of Aâ€6ite Cations in Perovskite Solar Cells. Advanced Energy Materials, 2018, 8, 1702898.	19.5	47
38	Oxygen-induced defects at the lead halide perovskite/graphene oxide interfaces. Journal of Materials Chemistry A, 2018, 6, 1423-1442.	10.3	26
39	Temperature induced crossing in the optical bandgap of mono and bilayer MoS2 on SiO2. Scientific Reports, 2018, 8, 5380.	3.3	5
40	Sulfur-vacancy-dependent geometric and electronic structure of bismuth adsorbed on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Mo</mml:mi><mml:msub><mml:m mathvariant="normal">S<mml:mn>2</mml:mn></mml:m></mml:msub></mml:mrow></mml:math> . Physical Review B, 2018, 97, .	i 3.2	4
41	Substitutional Growth of Methylammonium Lead Iodide Perovskites in Alcohols. Advanced Energy Materials, 2018, 8, 1701726.	19.5	28
42	Organic cation steered interfacial electron transfer within organic–inorganic perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 4305-4312.	10.3	15
43	La-doped BaSnO ₃ electron transport layer for perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 23071-23077.	10.3	37
44	Unified low-energy effective Hamiltonian and the band topology of p -block square-net layer derivatives. Physical Review B, $2018, 98, .$	3.2	6
45	A highly hydrophobic fluorographene-based system as an interlayer for electron transport in organic–inorganic perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 18635-18640.	10.3	20
46	Perovskite Solar Cells: A New Perspective on the Role of A-Site Cations in Perovskite Solar Cells (Adv.) Tj ETQq0 0 () rgBT /Ov 19.5	erlock 10 Tf
47	Multicomponent electrocatalyst with ultralow Pt loading and high hydrogen evolution activity. Nature Energy, 2018, 3, 773-782.	39.5	542
48	Rashbaâ€"Dresselhaus Effect in Inorganic/Organic Lead Iodide Perovskite Interfaces. ACS Energy Letters, 2018, 3, 1294-1300.	17.4	36
49	Effects of contact material on complex excitonic behaviour of monolayer MoS2. Optical Materials, 2018, 84, 870-873.	3.6	4
50	Electronic transport across metal-graphene edge contact. 2D Materials, 2017, 4, 025033.	4.4	4
51	Density Functional Theory (DFT) Calculations for Oxygen Reduction Reaction Mechanisms on Metal-, Nitrogen- co-doped Graphene (M-N2-G (M = Ti, Cu, Mo, Nb and Ru)) Electrocatalysts. Electrochimica Acta, 2017, 228, 619-627.	5.2	29
52	Two-Dimensional Excitonic Photoluminescence in Graphene on a Cu Surface. ACS Nano, 2017, 11, 3207-3212.	14.6	11
53	Adsorption of Carbon Tetrahalides on Coronene and Graphene. Journal of Physical Chemistry C, 2017, 121, 14968-14974.	3.1	11
54	Efficient CO Oxidation by 50-Facet Cu ₂ O Nanocrystals Coated with CuO Nanoparticles. ACS Applied Materials & Diterfaces, 2017, 9, 2495-2499.	8.0	31

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55	Screening of Oxygen-Reduction-Reaction-Efficient Electrocatalysts Based on Ag–M (M = 3d, 4d, and 5d) Tj ETQq 1874-1881.	1 1 0.784 5.1	314 rgBT /(13
56	Effects of impurity adsorption on topological surface states of Bi 2 Te 3. Europhysics Letters, 2017, 119, 47001.	2.0	3
57	Ferromagnetism in Monatomic Chains: Spin-Dependent Bandwidth Narrowing/Broadening. Journal of Physical Chemistry C, 2017, 121, 20994-21000.	3.1	8
58	Anomalous Ambipolar Transport of Organic Semiconducting Crystals via Control of Molecular Packing Structures. ACS Applied Materials & Samp; Interfaces, 2017, 9, 27839-27846.	8.0	10
59	Lower Electric Field-Driven Magnetic Phase Transition and Perfect Spin Filtering in Graphene Nanoribbons by Edge Functionalization. Journal of Physical Chemistry Letters, 2016, 7, 5049-5055.	4.6	39
60	Integrative Approach toward Uncovering the Origin of Photoluminescence in Dual Heteroatom-Doped Carbon Nanodots. Chemistry of Materials, 2016, 28, 6840-6847.	6.7	128
61	Orbital hybridization mechanism for the enhanced photoluminescence in edge-functionalized sp 2 carbon clusters. Carbon, 2016, 109, 418-427.	10.3	8
62	Oxygen Reduction Reaction Mechanisms on Al-Doped X-Graphene ($X = N, P, and S$) Catalysts in Acidic Medium: A Comparative DFT Study. Journal of Physical Chemistry C, 2016, 120, 26435-26441.	3.1	30
63	Electron Transport in Graphene Nanoribbon Field-Effect Transistor under Bias and Gate Voltages: Isochemical Potential Approach. Journal of Physical Chemistry Letters, 2016, 7, 2478-2482.	4.6	33
64	APEX Fingerprinting Reveals the Subcellular Localization of Proteins of Interest. Cell Reports, 2016, 15, 1837-1847.	6.4	153
65	Real-Time Propagation via Time-Dependent Density Functional Theory Plus the Hubbard U Potential for Electron–Atom Coupled Dynamics Involving Charge Transfer. Journal of Chemical Theory and Computation, 2016, 12, 201-208.	5.3	23
66	Surface-Effect-Induced Optical Bandgap Shrinkage in GaN Nanotubes. Nano Letters, 2015, 15, 4472-4476.	9.1	21
67	Graphene Edges and Beyond: Temperature-Driven Structures and Electromagnetic Properties. ACS Nano, 2015, 9, 4669-4674.	14.6	31
68	Geometrical and Electronic Characteristics of Au <i>_n</i> O ₂ [–] (<i>n</i> = 2–7). Journal of Physical Chemistry C, 2015, 119, 14383-14391.	3.1	13
69	Tailoring Electronic and Magnetic Properties of MoS ₂ Nanotubes. Journal of Physical Chemistry C, 2015, 119, 6405-6413.	3.1	40
70	Grain Boundary Effect on Electrical Transport Properties of Graphene. Journal of Physical Chemistry C, 2014, 118, 2338-2343.	3.1	71
71	Spin-induced band modifications of graphene through intercalation of magnetic iron atoms. Nanoscale, 2014, 6, 3824-3829.	5.6	51
72	Density Functional Theory Based Study of Molecular Interactions, Recognition, Engineering, and Quantum Transport in π Molecular Systems. Accounts of Chemical Research, 2014, 47, 3321-3330.	15.6	54

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73	Two Dimensional Molecular Electronics Spectroscopy for Molecular Fingerprinting, DNA Sequencing, and Cancerous DNA Recognition. ACS Nano, 2014, 8, 1827-1833.	14.6	65
74	Inverse Transfer Method Using Polymers with Various Functional Groups for Controllable Graphene Doping. ACS Nano, 2014, 8, 7968-7975.	14.6	26
75	AEMnSb ₂ (AE=Sr, Ba): a new class of Dirac materials. Journal of Physics Condensed Matter, 2014, 26, 042201.	1.8	57
76	Valley-Polarized Interlayer Conduction of Anisotropic Dirac Fermions in <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:msub></mml:mrow></mml:math>	< mm: mn:	248 24/mml:mn
77	Spectroscopic evaluation of out-of-plane surface vibration bands from surface functionalization of graphite oxide by fluorination. Carbon, 2014, 77, 577-591.	10.3	11
78	Substrate-Induced Solvent Intercalation for Stable Graphene Doping. ACS Nano, 2013, 7, 1155-1162.	14.6	54
79	Noncovalent Functionalization with Alkali Metal to Separate Semiconducting from Metallic Carbon Nanotubes: A Theoretical Study, Journal of Physical Chemistry C, 2013, 117, 4309-4313.	3.1	13
80	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> <mml:mi>A</mml:mi> MnBi <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow< td=""><td></td><td></td></mml:mrow<></mml:msub></mml:math 		

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91	Small anisotropy in iron-based superconductors induced by electron correlation. Physical Review B, 2011, 84, .	3.2	7
92	Origin of HfO2/GaAs interface states and interface passivation: A first principles study. Applied Surface Science, 2010, 256, 6569-6573.	6.1	30
93	Unusual infrared-absorption mechanism in thermally reduced graphene oxide. Nature Materials, 2010, 9, 840-845.	27.5	724
94	Isotope Effect on the Thermal Conductivity of Graphene. Journal of Nanomaterials, 2010, 2010, 1-5.	2.7	45
95	First-principles study of GaAs(001)- \hat{l}^2 2(2 \hat{A} —4) surface oxidation and passivation with H, Cl, S, F, and GaO. Journal of Applied Physics, 2010, 107, .	2.5	74
96	First-principles study of metal–graphene interfaces. Journal of Applied Physics, 2010, 108, .	2.5	358
97	First-Principles and Quantum Transport Studies of Metal-Graphene End Contacts. Materials Research Society Symposia Proceedings, 2010, 1259, 1.	0.1	2
98	The Role of Intercalated Water in Multilayered Graphene Oxide. ACS Nano, 2010, 4, 5861-5868.	14.6	359
99	Materials Science of Graphene for Novel Device Applications. ECS Transactions, 2009, 19, 185-199.	0.5	2
100	First-Principles study of HfO2/:GaAs interface passivation by Si and Ge. Materials Research Society Symposia Proceedings, 2009, 1155, 1.	0.1	0
101	Electronic structures of zigzag graphene nanoribbons with edge hydrogenation and oxidation. Physical Review B, 2009, 79, .	3.2	239
102	Ozone Adsorption on Graphene: Ab Initio Study and Experimental Validation. Journal of Physical Chemistry C, 2009, 113, 14225-14229.	3.1	170
103	Nanoclusters of Group-III Metal Atoms on Si(111)-7 \tilde{A} — 7. Journal of Computational and Theoretical Nanoscience, 2009, 6, 1311-1319.	0.4	2
104	Self-trapping nature of Tl nanoclusters on the Si(111)-7×7 surface. New Journal of Physics, 2008, 10, 053013.	2.9	2
105	<i>Ab initio</i> >studies of structural and electronic properties of the crystalline <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:m< td=""><td><td>>30 ></td></td></mml:m<></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:math>	<td>>30 ></td>	>30 >
106	<pre><i>Ab initio</i>>study of thallium nanoclusters on<mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">Si</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mn>111</mml:mn><mml:mo>)</mml:mo></mml:mrow></mml:mrow></mml:math></pre>	nml:mo><	/mml:mrow>
107	Adsorption energies of Al, Ga, In, Tl on Si(111) Computer Physics Communications, 2007, 177, 44.	7.5	2
108	Origin of unusual work function change upon forming Tl nanoclusters on Si(111)-7x7 surface. Applied Physics A: Materials Science and Processing, 2007, 89, 431-435.	2.3	5

#	Article	IF	CITATIONS
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110	Ab initio – phase diagram of NaBH4. Solid State Communications, 2006, 139, 516-521.	1.9	23
111	Theoretical study of the electronic structure and hydrogen adsorption properties in B2-TiFe thin films with Pd coating. International Journal of Hydrogen Energy, 2004, 29, 87-92.	7.1	13
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115	The adsorption of hydrogen on B2 TiFe surfaces. International Journal of Hydrogen Energy, 2002, 27, 403-412.	7.1	34
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117	Optical properties of TiNi, TiCo and TiFe thin films. Physica B: Condensed Matter, 2001, 304, 186-192.	2.7	6