Shiv Khanna

List of Publications by Year
in descending order

150 papers	9,689 citations	53660 45 h-index	37111 96 g-index
151 all docs	151 docs citations	151 times ranked	5192 citing authors

#	Article	IF	Citations
1	High-Spin Superatom Stabilized by Dual Subshell Filling. Journal of the American Chemical Society, 2022, 144, 5172-5179.	6.6	8
2	The New Agâ€“S Cluster [Ag₅₀S₁₃(S^tBu)₂₀][CF₃COO]₄ with a Unique hcp Ag₁₄ Kernel and Ag₃₆ Keplerian-Shell-Based Structural Architecture and Its Photoresponsivity. Nano Letters, 2022, 22, 3721-3727.	4.5	21
3	Interfacial magnetism in a fused superatomic cluster [Co₆Se₈(PEt₃)₅]₂. Nanoscale, 2021, 13, 15763-15769.	2.8	6
4	One-Dimensional Silver-Thiolate Cluster-Assembly: Effect of Argentophilic Interactions on Excited-State Dynamics. Journal of Physical Chemistry Letters, 2021, 12, 2154-2159.	2.1	10
5	Developing Efficient Suzuki Cross-Coupling Catalysts by Doping Palladium Clusters with Silver. ACS Catalysis, 2021, 11, 11459-11468.	5.5	9
6	The superatomic state beyond conventional magic numbers: Ligated metal chalcogenide superatoms. Journal of Chemical Physics, 2021, 155, 120901.	1.2	9
7	A Magnetic Superatomic Dimer with an Intense Internal Electric Dipole Moment. Journal of Physical Chemistry A, 2021, 125, 816-824.	1.1	6
8	Massive dipoles across the metalâ€“semiconductor cluster interface: towards chemically controlled rectification. Physical Chemistry Chemical Physics, 2021, 23, 18975-18982.	1.3	0
9	Creating Genetic Materials of Metal Clusters. , 2020, , 241-264.		1
10	Carbon-Carbon Cross-Coupling Reactions. , 2020, , 143-162.		1
11	Metal Clusters and Their Reactivity. , 2020, , .		9
12	Stabilization of Catalytic Surfaces through Coreâ€“Shell Structures: Agâ€“Ir/Al₂O₃ Case Study. ACS Catalysis, 2020, 10, 13352-13363.	5.5	4
13	A ligand-induced homojunction between aluminum-based superatomic clusters. Nanoscale, 2020, 12, 12046-12056.	2.8	8
14	Ligand accommodation causes the anti-centrosymmetric structure of Au₁₃Cu₄ clusters with near-infrared emission. Nanoscale, 2020, 12, 14801-14807.	2.8	17
15	Superatomic molecules with internal electric fields for light harvesting. Nanoscale, 2020, 12, 4736-4742.	2.8	15
16	An Overview of Metal Clusters and Their Reactivity. , 2020, , 1-9.		0
17	Cluster Dissociation, Intracluster Reactivity and Effect of the Ligands. , 2020, , 175-191.		0
18	Al Valence Controls the Coordination and Stability of Cationic Aluminumâ€“Oxygen Clusters in Reactions of Aln+ with Oxygen. Journal of Physical Chemistry A, 2019, 123, 7463-7469.	1.1	7

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19	Ligand Effect on the Electronic Structure of Cobalt Sulfide Clusters: A Combined Experimental and Theoretical Study. Journal of Physical Chemistry C, 2019, 123, 25121-25127.	1.5	13
20	Tuning the electronic properties of hexanuclear cobalt sulfide superatoms <i>via</i> ligand substitution. Chemical Science, 2019, 10, 1760-1766.	3.7	24
21	Multiple-Valence Aluminum and the Electronic and Geometric Structure of Al_{<i>n</i>}O_{<i>m</i>} Clusters. Journal of Physical Chemistry A, 2019, 123, 5114-5121.	1.1	7
22	Transforming Redox Properties of Clusters Using Phosphine Ligands. Journal of Physical Chemistry C, 2019, 123, 8983-8989.	1.5	22
23	The structure and stability of CrnTem (1â€¯â‰â€¯nâ€¯â‰â€¯6, 1â€¯â‰â€¯mâ€¯â‰â€¯8) clusters. Chemical Physics Letters, 2019, 720, 76-82.	1.2	1
24	Formation of Al ⁺ (C ₆ H ₆) ₁₃ : The Origin of Magic Number in Metalâ€“Benzene Clusters Determined by the Nature of the Core. CCS Chemistry, 2019, 1, 571-581.	4.6	12
25	More than just a support: Graphene as a solid-state ligand for palladium-catalyzed cross-coupling reactions. Journal of Catalysis, 2018, 360, 20-26.	3.1	57
26	The effect of chalcogen and metal on the electronic properties and stability of metalâ€“chalcogenides clusters, TM6Xn(PH3)6 (TM = Mo, Cr, Re, Co, Ni; X = Se, Te; n = 8,5). European Physical Journal D, 2018, 72, 1.	0.6	5
27	Donor/Acceptor Concepts for Developing Efficient Suzuki Cross-Coupling Catalysts Using Graphene-Supported Ni, Cu, Fe, Pd, and Bimetallic Pd/Ni Clusters. Journal of Physical Chemistry C, 2018, 122, 25396-25403.	1.5	37
28	Strong Effect of Organic Ligands on the Electronic Structure of Metal-Chalcogenide Clusters. Journal of Physical Chemistry A, 2018, 122, 6014-6020.	1.1	12
29	Co6Se8(PEt3)6 superatoms as tunable chemical dopants for two-dimensional semiconductors. Npj Computational Materials, 2018, 4, .	3.5	20
30	Preparation of gas phase naked silver cluster cations outside a mass spectrometer from ligand protected clusters in solution. Nanoscale, 2018, 10, 15714-15722.	2.8	13
31	Strong lowering of ionization energy of metallic clusters by organic ligands without changing shell filling. Nature Communications, 2018, 9, 2357.	5.8	34
32	Electronic and magnetic properties of Fe2Sin (1â€¯â‰â€¯nâ€¯â‰â€¯12)+/0/âˆ’ clusters. Chemical Physics Letters, 2018, 706, 113-119.	1.2	11
33	Metal Chalcogenide Clusters with Closed Electronic Shells and the Electronic Properties of Alkalis and Halogens. Journal of the American Chemical Society, 2017, 139, 1871-1877.	6.6	51
34	Symmetry and magnetism in Ni9Te6 clusters ligated by CO or phosphine ligands. Journal of Chemical Physics, 2017, 146, 024302.	1.2	20
35	Superatoms: Electronic and Geometric Effects on Reactivity. Accounts of Chemical Research, 2017, 50, 255-263.	7.6	203
36	Ionic versus metallic bonding in AlnNam and AlnMgm (m â‰ 3, n + m â‰ 15) clusters. Journal of Chemical Physics, 2017, 146, 224301.	1.2	17

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37	Evolution of the Spin Magnetic Moments and Atomic Valence of Vanadium in VCu_{<i>x</i>}⁺, VAg_{<i>x</i>}⁺, and VAu_{<i>x</i>}⁺ Clusters (<i>x</i> = 3â€“14). Journal of Physical Chemistry A, 2017, 121, 2990-2999.	1.1	31
38	Effect of Embedding Platinum Clusters in Alumina on Sintering, Coking, and Activity. Journal of Physical Chemistry C, 2017, 121, 21527-21534.	1.5	9
39	CO ligands stabilize metal chalcogenide Co₆Se₈(CO)_n clusters <i>via</i> demagnetization. Physical Chemistry Chemical Physics, 2017, 19, 31940-31948.	1.3	11
40	Intercalation without altercation. Nature Chemistry, 2017, 9, 1151-1152.	6.6	11
41	Complete Ag₄M₂(DMSA)₄ (M = Ni, Pd, Pt, DMSA =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Characterization. Journal of Physical Chemistry A, 2017, 121, 5324-5331.	1.1	10
42	The effect of substituted benzene dicarboxylic acid linkers on the optical band gap energy and magnetic coupling in manganese trimer metal organic frameworks. Journal of Materials Chemistry C, 2017, 5, 539-548.	2.7	10
43	Magnetic behavior of superatomic-fullerene assemblies. Physical Chemistry Chemical Physics, 2017, 19, 996-1002.	1.3	5
44	Transforming Ni₉Te₆ from Electron Donor to Acceptor via Ligand Exchange. Journal of Physical Chemistry A, 2016, 120, 6644-6649.	1.1	20
45	Reactivity of Metal Clusters. Chemical Reviews, 2016, 116, 14456-14492.	23.0	359
46	A fundamental analysis of enhanced cross-coupling catalytic activity for palladium clusters on graphene supports. Nanoscale, 2016, 8, 19564-19572.	2.8	46
47	What determines if a ligand activates or passivates a superatom cluster?. Chemical Science, 2016, 7, 3067-3074.	3.7	67
48	A Systematic Framework and Nanoperiodic Concept for Unifying Nanoscience: Hard/Soft Nanoelements, Superatoms, Meta-Atoms, New Emerging Properties, Periodic Property Patterns, and Predictive Mendeleev-like Nanoperiodic Tables. Chemical Reviews, 2016, 116, 2705-2774.	23.0	195
49	Effect of O₂ and CO Exposure on the Photoelectron Spectroscopy of Size-Selected Pd_{<i>n</i>} Clusters Supported on TiO₂(110). Journal of Physical Chemistry C, 2016, 120, 2126-2138.	1.5	15
50	Ni₉Te₆(PEt₃)₈C₆₀ Is a Superatomic Superalkali Superparamagnetic Cluster Assembled Material (S³-CAM). Journal of the American Chemical Society, 2016, 138, 1916-1921.	6.6	42
51	Making sense of the conflicting magic numbers in WSin clusters. Journal of Chemical Physics, 2015, 143, 074310.	1.2	13
52	The Effects of Alkaline-Earth Counterions on the Architectures, Band-Gap Energies, and Proton Transfer of Triazole-Based Coordination Polymers. European Journal of Inorganic Chemistry, 2015, 2015, 2085-2091.	1.0	8
53	Geometry controls the stability of FeSi₁₄. Physical Chemistry Chemical Physics, 2015, 17, 15718-15724.	1.3	21
54	Conceptual Basis for Understanding Câ€“C Bond Activation in Ethane by Second Row Transition Metal Carbides. Journal of Physical Chemistry A, 2015, 119, 12855-12861.	1.1	10

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55	Electronic structure, stability, and oxidation of boron-magnesium clusters and cluster solids. Journal of Chemical Physics, 2015, 142, 054304.	1.2	17
56	Initial and Final State Effects in the Ultraviolet and X-ray Photoelectron Spectroscopy (UPS and XPS) of Size-Selected Pd_{<i>n</i>} Clusters Supported on TiO₂(110). Journal of Physical Chemistry C, 2015, 119, 6033-6046.	1.5	56
57	Atom precise platinumâ€“thiol crowns. Nanoscale, 2015, 7, 19448-19452.	2.8	12
58	IN QUEST OF A SYSTEMATIC FRAMEWORK FOR UNIFYING AND DEFINING NANOSCIENCE. Modern Physics Letters B, 2014, 28, 1430002.	1.0	17
59	Structure investigation of CoxO y + (x=3â€“6, y=3â€“8) clusters by IR vibrational spectroscopy and DFT calculations. European Physical Journal D, 2014, 68, 1.	0.6	16
60	First-principles studies on graphene-supported transition metal clusters. Journal of Chemical Physics, 2014, 141, 074707.	1.2	38
61	Stable magnetic order and charge induced rotation of magnetization in nano-clusters. Applied Physics Letters, 2014, 105, 152409.	1.5	2
62	Enhanced magnetic anisotropy in cobalt-carbide nanoparticles. Applied Physics Letters, 2014, 104, 023111.	1.5	44
63	Nature of Valence Transition and Spin Moment in Ag_{<i>n</i>}V⁺ Clusters. Journal of the American Chemical Society, 2014, 136, 8229-8236.	6.6	53
64	Boron Substitution in Aluminum Cluster Anions: Magic Clusters and Reactivity with Oxygen. Journal of Physical Chemistry A, 2014, 118, 8485-8492.	1.1	24
65	Effect of N- and P-Type Doping on the Oxygen-Binding Energy and Oxygen Spillover of Supported Palladium Clusters. Journal of Physical Chemistry C, 2014, 118, 20306-20313.	1.5	16
66	Does the 18-Electron Rule Apply to CrSi₁₂?. Journal of Physical Chemistry Letters, 2014, 5, 3492-3496.	2.1	56
67	Isolation and Structural Characterization of a Silverâ€“Platinum Nanocluster, Ag₄Pt₂(DMSA)₄. Journal of Physical Chemistry A, 2014, 118, 8314-8319.	1.1	22
68	Unusually large spin polarization and magnetoresistance in a FeMg8â€“FeMg8 superatomic dimer. Journal of Chemical Physics, 2013, 139, 064306.	1.2	4
69	Electronic subshell splitting controls the atomic structure of charged and neutral silver clusters. New Journal of Chemistry, 2013, 37, 3928.	1.4	36
70	Synthesis and Structural Characterization of an Atom-Precise Bimetallic Nanocluster, Ag₄Ni₂(DMSA)₄. Journal of the American Chemical Society, 2013, 135, 26-29.	6.6	51
71	On the Existence of Designer Magnetic Superatoms. Journal of the American Chemical Society, 2013, 135, 4856-4861.	6.6	108
72	Carbonyl Bond Cleavage by Complementary Active Sites. Journal of Physical Chemistry C, 2013, 117, 7445-7450.	1.5	25

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73	Controlling the Band Gap Energy of Cluster-Assembled Materials. Accounts of Chemical Research, 2013, 46, 2385-2395.	7.6	81
74	Robust Magnetic Moments on Impurities in Metallic Clusters: Localized Magnetic States in Superatoms. Journal of Physical Chemistry A, 2013, 117, 4297-4303.	1.1	16
75	Probing the Magic Numbers of Aluminumâ€"Magnesium Cluster Anions and Their Reactivity toward Oxygen. Journal of the American Chemical Society, 2013, 135, 4307-4313.	6.6	88
76	Spin Accommodation and Reactivity of Silver Clusters with Oxygen: The Enhanced Stability of Ag₁₃^{â€"}. Journal of the American Chemical Society, 2012, 134, 18973-18978.	6.6	114
77	Ligand-Induced Active Sites: Reactivity of Iodine-Protected Aluminum Superatoms with Methanol. Journal of the American Chemical Society, 2012, 134, 20507-20512.	6.6	46
78	Synthesis, structure and band gap energy of covalently linked cluster-assembled materials. Dalton Transactions, 2012, 41, 12365.	1.6	33
79	Metallic and molecular orbital concepts in XMg8 clusters, X = Be-F. Journal of Chemical Physics, 2012, 136, 134311.	1.2	14
80	Theoretical Studies of the Stability and Oxidation of Pd_{<i>n</i>} (<i>n</i> = 1â€"7) Clusters on Rutile TiO₂(110): Adsorption on the Stoichiometric Surface. Journal of Physical Chemistry C, 2012, 116, 3105-3111.	1.5	26
81	Palladium in the Gap: Cluster Assemblies with Band Edges Localized on Linkers. Journal of Physical Chemistry C, 2012, 116, 10207-10214.	1.5	9
82	Quantum spin transport through magnetic superatom dimer (Cs8V-Cs8V). Journal of Chemical Physics, 2012, 137, 164311.	1.2	5
83	Magnetic properties of Co2C and Co3C nanoparticles and their assemblies. Applied Physics Letters, 2012, 101, .	1.5	64
84	Edge-Induced Active Sites Enhance the Reactivity of Large Aluminum Cluster Anions with Alcohols. Journal of Physical Chemistry A, 2012, 116, 8085-8091.	1.1	41
85	Shell magnetism in transition metal doped calcium superatom. Chemical Physics Letters, 2012, 528, 39-43.	1.2	28
86	Analogous Reactivity of Pd⁺ and ZrO⁺: Comparing the Reactivity with Small Hydrocarbons. Journal of Physical Chemistry C, 2011, 115, 16797-16802.	1.5	27
87	Origin of Oxidation and Support-Induced Structural Changes in Pd₄ Clusters Supported on TiO₂. Journal of Physical Chemistry C, 2011, 115, 20217-20224.	1.5	13
88	[As₇M(CO)₃]^{3â€"} M = Cr, Mo, W: Bonding and Electronic Structure of Cluster Assemblies with Metal Carbonyls. Journal of Physical Chemistry C, 2011, 115, 23704-23710.	1.5	6
89	Hundâ€™s rule in superatoms with transition metal impurities. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10062-10066.	3.3	105
90	Controlling Band Gap Energies in Cluster-Assembled Ionic Solids through Internal Electric Fields. ACS Nano, 2010, 4, 5813-5818.	7.3	72

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91	Crystal field effects on the reactivity of aluminum-copper cluster anions. Physical Review B, 2010, 81, .	1.1	59
92	Reactivity of Aluminum Cluster Anions with Water: Origins of Reactivity and Mechanisms for H₂ Release. Journal of Physical Chemistry A, 2010, 114, 6071-6081.	1.1	95
93	Cluster-Assembled Materials: Toward Nanomaterials with Precise Control over Properties. ACS Nano, 2010, 4, 235-240.	7.3	127
94	Designer magnetic superatoms. Nature Chemistry, 2009, 1, 310-315.	6.6	223
95	Highly efficient (Cs8V) superatom-based spin-polarizer. Applied Physics Letters, 2009, 95, .	1.5	26
96	Cluster-Assembled Materials. ACS Nano, 2009, 3, 244-255.	7.3	598
97	Clusters, Superatoms, and Building Blocks of New Materials. Journal of Physical Chemistry C, 2009, 113, 2664-2675.	1.5	488
98	Complementary Active Sites Cause Size-Selective Reactivity of Aluminum Cluster Anions with Water. Science, 2009, 323, 492-495.	6.0	262
99	From SiO Molecules to Silicates in Circumstellar Space: Atomic Structures, Growth Patterns, and Optical Signatures of Si_{<i>n</i>}O_{<i>m</i>} Clusters. ACS Nano, 2008, 2, 1729-1737.	7.3	45
100	Al ₄ H ₇ ^{âˆ’} is a resilient building block for aluminum hydrogen cluster materials. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14565-14569.	3.3	66
101	Magnetic endohedral metallofullerenes with floppy interiors. Physical Review B, 2007, 75, .	1.1	19
102	Superatom Compounds, Clusters, and Assemblies:â€‰ Ultra Alkali Motifs and Architectures. Journal of the American Chemical Society, 2007, 129, 10189-10194.	6.6	186
103	Spin Accommodation and Reactivity of Aluminum Based Clusters with O₂. Journal of the American Chemical Society, 2007, 129, 16098-16101.	6.6	147
104	An ab initio investigation on the endohedral metallofullerene Gd3Nâ€“C80. Journal of Applied Physics, 2007, 101, 09E105.	1.1	9
105	Thermodynamic stability of polyacrylamide and poly(N,N-dimethyl acrylamide). Polymers for Advanced Technologies, 2007, 18, 978-985.	1.6	9
106	Rings, towers, cages of ZnO. European Physical Journal D, 2007, 43, 221-224.	0.6	58
107	Silicon Oxide Nanoparticles Reveal the Origin of Silicate Grains in Circumstellar Environments. Nano Letters, 2006, 6, 1190-1195.	4.5	38
108	Multiple valence superatoms. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18405-18410.	3.3	197

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109	Structure and Isomerization in Alkali Halide Clusters. , 2005, , 323-334.		0
110	Al Cluster Superatoms as Halogens in Polyhalides and as Alkaline Earths in Iodide Salts. Science, 2005, 307, 231-235.	6.0	417
111	METAL-BENZENE COMPLEXES WITH INSERTED METAL ATOMS AND THE POSSIBILITY OF GENERATING MAGNETIC NI-BENZENE CLUSTERS. , 2005, , .		1
112	MAGNETIC FIELD EFFECTS ON THERMAL FLUCTUATIONS OF CLUSTER MAGNETIC MOMENTS. , 2005, , .		0
113	ON THE ABSENCE OF KONDO RESONANCE FOR Co DIMERS ON A Cu (111) SURFACE. , 2005, , .		0
114	Stable Cluster Motifs for Nanoscale Chromium Oxide Materials. Nano Letters, 2004, 4, 261-265.	4.5	46
115	Formation of Al13I-: Evidence for the Superhalogen Character of Al13. Science, 2004, 304, 84-87.	6.0	515
116	Magnetic properties of Al, V, Mn, and Ru impurities in Feâ€“Co alloys. Journal of Applied Physics, 2003, 93, 2823-2827.	1.1	9
117	Magnetic moment and anisotropy in FenCom clusters. Applied Physics Letters, 2002, 80, 4193-4195.	1.5	28
118	Electronic-structure-based investigation of magnetism in the Fe[sub 8] molecular magnet. Journal of Applied Physics, 2002, 91, 7149.	1.1	26
119	Magic Numbers in Metallo-Inorganic Clusters: Chromium Encapsulated in Silicon Cages. Physical Review Letters, 2002, 89, 016803.	2.9	243
120	The Role of Interface on the Properties of Cluster Assemblies. Journal of Cluster Science, 2001, 12, 443-456.	1.7	7
121	Growth and Formation of Fullerene Clusters. Journal of Cluster Science, 2001, 12, 513-525.	1.7	8
122	Reactivity and electronic structure of aluminum clusters: The aluminumâ€“nitrogen system. Journal of Chemical Physics, 2001, 114, 1165-1169.	1.2	66
123	Magnetic coupling and site occupancy of impurities inFe3Al. Physical Review B, 2001, 64, .	1.1	15
124	Geometry, electronic structure, and energetics of copper-doped aluminum clusters. Journal of Chemical Physics, 2001, 114, 9792-9796.	1.2	48
125	Electronic structure and chemical bonding of 3d-metal dimers ScX, X=Scâ€“Zn. Journal of Chemical Physics, 2001, 114, 10738-10748.	1.2	33
126	Magnetic coupling in neutral and charged Cr2, Mn2, and CrMn dimers. Journal of Chemical Physics, 2000, 112, 5576-5584.	1.2	78

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127	Theoretical calculations of magnetic order and anisotropy energies in molecular magnets. Journal of Applied Physics, 2000, 87, 5487-5489.	1.1	14
128	ISOMERS IN AL13-NINN (N=0-4) CLUSTERS. , 2000, , .		2
129	SUPERHALOGEN BEHAVIOR OF FeO4 AND MnO4. , 2000, , .		0
130	ALKALIZATION OF ALUMINUM CLUSTERS: EVERY ELECTRON COUNTS. , 2000, , .		0
131	ATOMIC, ELECTRONIC AND VIBRATIONAL STRUCTURE AND MAGNETIC ANISOTROPY OF MN₁₂O₁₂-ACETATE NANOMAGNETS. , 2000, , .		0
132	Designing New Materials Using Atomic Clusters. Journal of Cluster Science, 1999, 10, 477-491.	1.7	39
133	Magnetic anisotropy barrier for spin tunneling inMn12O12molecules. Physical Review B, 1999, 60, 9566-9572.	1.1	305
134	Electronic Structure and Properties of FeOnand FeOn-Clusters. Journal of Physical Chemistry A, 1999, 103, 5812-5822.	1.1	72
135	FeO4:A unique example of a closed-shell cluster mimicking a superhalogen. Physical Review A, 1999, 59, 3681-3684.	1.0	57
136	Physics of Nickel Clusters. 2. Electronic Structure and Magnetic Properties. Journal of Physical Chemistry A, 1998, 102, 1748-1759.	1.1	110
137	Atomic and electronic structure of neutral and charged SinOm clusters. Journal of Chemical Physics, 1998, 109, 1245-1250.	1.2	118
138	Physics of Nickel Clusters:â€‰ Energetics and Equilibrium Geometries. Journal of Physical Chemistry A, 1997, 101, 1072-1080.	1.1	103
139	Atomic clusters: Building blocks for a class of solids. Physical Review B, 1995, 51, 13705-13716.	1.1	432
140	Giant magnetic moments in 4dclusters. Physical Review Letters, 1993, 70, 3323-3326.	2.9	346
141	Assembling crystals from clusters. Physical Review Letters, 1992, 69, 1664-1667.	2.9	574
142	Magnetic behavior of clusters of ferromagnetic transition metals. Physical Review Letters, 1991, 67, 742-745.	2.9	308
143	Screening of a Positive Muon by a Semion Gas. International Journal of Modern Physics B, 1991, 05, 1579-1588.	1.0	14
144	Physics of Charged Mgn (nâ‰7) and Mixed MgnKy (x+yâ‰4) Clusters. Materials Research Society Symposia Proceedings, 1990, 206, 27.	0.1	0

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145	Clusters-a New Source for Atomically Engineered Materials. Materials Research Society Symposia Proceedings, 1990, 206, 3.	0.1	8
146	Effect of size and dimensionality on the magnetic moment of transition metals. Journal of Applied Physics, 1990, 67, 4484-4486.	1.1	4
147	Clustersâ€"A new phase of matter. Phase Transitions, 1990, 24-26, 35-60.	0.6	13
148	Structural and electronic properties of compound metal clusters. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1986, 3, 219-222.	1.0	19
149	Electron transport properties of PAl12-based cluster complexes. Nanoscale Advances, 0, , .	2.2	1
150	Superatomic Salts with Controlled Ionicity. Materials Advances, 0, , .	2.6	0