

Ali Ahmadi

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.

136 papers	7,168 citations	58 h-index	80 g-index
138 ext. papers	7,948 ext. citations	2.8 avg, IF	6.56 L-index

#	Paper	IF	Citations
136	Au-decorated BN nanotube as a breathalyzer for potential medical applications. <i>Journal of Molecular Liquids</i> , 2020 , 312, 113454	6	12
135	The influence of Stone-Wales defects in nanographene on the performance of Na-ion batteries. <i>Journal of Molecular Graphics and Modelling</i> , 2020 , 98, 107578	2.8	5
134	Application of hexa-peri-hexabenzocoronene nanographene and its B, N, and Bn doped forms in Na-ion batteries: A density functional theory study. <i>Thin Solid Films</i> , 2020 , 704, 137979	2.2	3
133	Multivalent calix[4]arene-based fluorescent sensor for detecting silver ions in aqueous media and physiological environment. <i>Biosensors and Bioelectronics</i> , 2017 , 90, 290-297	11.8	33
132	Aluminum nitride nanotubes. <i>Chemical Papers</i> , 2017 , 71, 881-893	1.9	16
131	Sensing properties of BN nanotube toward carcinogenic 4-chloroaniline: A computational study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 76, 6-11	3	110
130	DFT studies of Hydrogen adsorption and dissociation on MgO nanotubes. <i>Main Group Chemistry</i> , 2016 , 15, 107-116	0.6	20
129	Effect of electrostatic interaction on the methylene blue and methyl orange adsorption by the pristine and functionalized carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 83, 1-6	3	55
128	Theoretical Study on the Al-Doped ZnO Nanoclusters for CO Chemical Sensors. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 6398-6404	3.8	265
127	Adsorption of carbon monoxide on the pristine, B- and Al-doped C ₃ N nanosheets. <i>Journal of Molecular Modeling</i> , 2015 , 21, 116	2	70
126	DNA nucleobase interaction with graphene like BC ₃ nano-sheet based on density functional theory calculations. <i>Thin Solid Films</i> , 2015 , 589, 52-56	2.2	74
125	Theoretical study of carbonyl sulfide adsorption on Ag-doped SiC nanotubes. <i>Journal of the Iranian Chemical Society</i> , 2015 , 12, 1071-1076	2	39
124	Role of Diameter, Model, and Length of Boron Nitride Nanotubes in Adsorption of Formaldehyde. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015 , 23, 62-67	1.8	1
123	First-principle study of methanol adsorption on Ni (Pd)-decorated graphene. <i>Journal of the Iranian Chemical Society</i> , 2015 , 12, 751-756	2	32
122	Selective detection of F ₂ in the presence of CO, N ₂ , O ₂ , and H ₂ molecules using a ZnO nanocluster. <i>Monatshefte für Chemie</i> , 2015 , 146, 1233-1239	1.4	30
121	Surface Modification of Carbon Nanotubes with Nitrenes: A DFT Study. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015 , 23, 326-331	1.8	1
120	Ab initio studies of the interaction of formaldehyde with beryllium oxide nanotube. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015 , 68, 22-27	3	73

119	Adsorption of Formic Acid and Formate Anion on ZnO Nanocage: A DFT Study. <i>Journal of Cluster Science</i> , 2015 , 26, 609-621	3	32
118	Sensing behavior of BN nanosheet toward nitrous oxide: A DFT study. <i>Chinese Chemical Letters</i> , 2015 , 26, 1042-1045	8.1	112
117	Explosive properties of nanosized diacetone diperoxide and its nitro derivatives: a DFT study. <i>Monatshefte für Chemie</i> , 2015 , 146, 1401-1408	1.4	3
116	F ⁺ Cl ⁻ Li ⁺ and Na ⁺ adsorption on AlN nanotube surface: A DFT study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015 , 69, 75-80	3	62
115	The electronic response of nano-sized tube of BeO to CO molecule: a density functional study. <i>Structural Chemistry</i> , 2015 , 26, 809-814	1.8	38
114	Methanol-sensing characteristics of zinc oxide nanotubes: quantum chemical study. <i>Monatshefte für Chemie</i> , 2014 , 145, 1253-1257	1.4	21
113	DFT study of ozone dissociation on BC ₂ graphene with Stone-Wales defects. <i>Journal of Molecular Modeling</i> , 2014 , 20, 2071	2	15
112	Density functional study on the adsorption and dissociation of nitroamine over the nanosized tube of MgO. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014 , 62, 48-54	3	38
111	Adsorption of H ₂ S at Stone-Wales defects of graphene-like BC ₃ : a computational study. <i>Molecular Physics</i> , 2014 , 112, 2737-2745	1.7	38
110	Ammonia borane reaction with a BN nanotube: a hydrogen storage route. <i>Monatshefte für Chemie</i> , 2014 , 145, 1083-1087	1.4	27
109	The alkali and alkaline earth metal doped ZnO nanotubes: DFT studies. <i>Physica B: Condensed Matter</i> , 2014 , 432, 105-110	2.8	62
108	Exohedral functionalization of C ₆₀ by [4+2] cycloaddition of multiple anthracenes. <i>Structural Chemistry</i> , 2014 , 25, 785-791	1.8	12
107	Hydrogen fluoride on the pristine, Al and Si doped BC ₂ N nanotubes: A computational study. <i>Computational Materials Science</i> , 2014 , 82, 197-201	3.2	25
106	DFT study of NH ₃ adsorption on pristine, Ni- and Si-doped graphynes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014 , 378, 2184-2190	2.3	169
105	Functionalization of the pristine and stone-wales defected BC ₃ graphenes with pyrene. <i>Journal of Molecular Modeling</i> , 2014 , 20, 2539	2	17
104	Hydrogen peroxide reduction in the oxygen vacancies of ZnO nanotubes. <i>Thin Solid Films</i> , 2014 , 556, 566-570	2.2	34
103	Influence of antisite defect upon decomposition of nitrous oxide over graphene-analogue SiC. <i>Thin Solid Films</i> , 2014 , 552, 111-115	2.2	24
102	A theoretical study on surface modification of a nanosized BC ₃ tube using C ₂ H ₄ and its derivatives. <i>Structural Chemistry</i> , 2014 , 25, 221-229	1.8	10

101	Capture of carbon dioxide by a nanosized tube of BeO: a DFT study. <i>Structural Chemistry</i> , 2014 , 25, 419-428	1.2	16
100	DFT study on [4+2] and [2+2] cycloadditions to [60] fullerene. <i>Chemical Papers</i> , 2014 , 68,	1.9	8
99	Density-functional calculations of HCN adsorption on the pristine and Si-doped graphynes. <i>Structural Chemistry</i> , 2014 , 25, 1-7	1.8	62
98	Role of sodium decoration on the methane storage properties of BC ₃ nanosheet. <i>Structural Chemistry</i> , 2014 , 25, 1083-1090	1.8	34
97	A density functional study on the acidity properties of pristine and modified SiC nano-sheets. <i>Physica B: Condensed Matter</i> , 2014 , 443, 54-59	2.8	32
96	A Theoretical Study of OH and OCH ₃ Free Radical Adsorption on a Nanosized Tube of BC ₂ N. <i>Journal of Cluster Science</i> , 2013 , 24, 1011-1020	3	6
95	First Principles Calculations of Electric Field Effect on the (6,0) Zigzag Single-Walled Silicon Carbide Nanotube for use in Nano-Electronic Circuits. <i>Journal of Cluster Science</i> , 2013 , 24, 591-604	3	14
94	Theoretical Study of Phenol Adsorption on Pristine, Ga-Doped, and Pd-Decorated (6,0) Zigzag Single-Walled Boron Phosphide Nanotubes. <i>Journal of Cluster Science</i> , 2013 , 24, 49-60	3	16
93	ZnO Nanocluster as a Potential Catalyst for Dissociation of H ₂ S Molecule. <i>Journal of Cluster Science</i> , 2013 , 24, 341-347	3	54
92	DFT study of NO ₂ adsorption on the AlN nanocones. <i>Computational and Theoretical Chemistry</i> , 2013 , 1008, 20-26	2	64
91	Tuning the electronic properties of C ₃₀ B ₁₅ N ₁₅ fullerene via encapsulation of alkali and alkali earth metals. <i>Synthetic Metals</i> , 2013 , 177, 94-99	3.6	34
90	H ₂ O ₂ adsorption on the BN and SiC nanotubes: A DFT study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013 , 48, 176-180	3	100
89	Fluorination of BC ₃ nanotubes: DFT studies. <i>Journal of Molecular Modeling</i> , 2013 , 19, 3941-6	2	15
88	Working Mechanism of a BC ₃ Nanotube Carbon Monoxide Gas Sensor. <i>Communications in Theoretical Physics</i> , 2013 , 60, 113-118	2.4	21
87	Functionalization of BN nanosheet with N ₂ H ₄ may be feasible in the presence of Stone-Wales defect. <i>Structural Chemistry</i> , 2013 , 24, 1565-1570	1.8	78
86	Transition metal atom adsorptions on a boron nitride nanocage. <i>Structural Chemistry</i> , 2013 , 24, 1039-1044	1.8	28
85	Carbon nanocone as an ammonia sensor: DFT studies. <i>Structural Chemistry</i> , 2013 , 24, 1099-1103	1.8	58
84	Formaldehyde adsorption on the interior and exterior surfaces of CN nanotubes. <i>Structural Chemistry</i> , 2013 , 24, 1331-1337	1.8	33

83	Ab initio study of NH ₃ and H ₂ O adsorption on pristine and Na-doped MgO nanotubes. <i>Structural Chemistry</i> , 2013 , 24, 165-170	1.8	76
82	DFT studies of Si- and Al-doping effects on the acetone sensing properties of BC ₃ graphene. <i>Molecular Physics</i> , 2013 , 111, 3320-3326	1.7	66
81	A DFT study on the sensing behavior of a BC ₂ N nanotube toward formaldehyde. <i>Journal of Molecular Modeling</i> , 2013 , 19, 3843-50	2	46
80	Sensing behavior of Al-rich AlN nanotube toward hydrogen cyanide. <i>Journal of Molecular Modeling</i> , 2013 , 19, 2197-203	2	58
79	Electronic, energetic, and structural properties of C- and Si-doped Mg ₁₂ O ₁₂ nano-cages. <i>Computational Materials Science</i> , 2013 , 79, 352-355	3.2	27
78	DFT study of the dissociative adsorption of HF on an AlN nanotube. <i>Comptes Rendus Chimie</i> , 2013 , 16, 985-989	2.7	46
77	DFT study on the functionalization of a BN nanotube with sulfamide. <i>Applied Surface Science</i> , 2013 , 266, 182-187	6.7	78
76	A DFT study on the functionalization of a BN nanosheet with PCX, (PC=phenyl carbamate, X=OCH ₃ , CH ₃ , NH ₂ , NO ₂ and CN). <i>Applied Surface Science</i> , 2013 , 268, 436-441	6.7	100
75	Response of Si- and Al-doped graphenes toward HCN: A computational study. <i>Applied Surface Science</i> , 2013 , 265, 412-417	6.7	130
74	Electronic response of BC ₃ nanotube to CS ₂ molecules: DFT studies. <i>Computational and Theoretical Chemistry</i> , 2013 , 1008, 1-7	2	18
73	Electric field effect on the zigzag (6,0) single-wall BC ₂ N nanotube for use in nano-electronic circuits. <i>Journal of Molecular Modeling</i> , 2013 , 19, 97-107	2	11
72	Hydrogen dissociation on diene-functionalized carbon nanotubes. <i>Journal of Molecular Modeling</i> , 2013 , 19, 255-61	2	63
71	Carbon nanotube functionalization with carboxylic derivatives: a DFT study. <i>Journal of Molecular Modeling</i> , 2013 , 19, 391-6	2	58
70	Adsorption of CO molecule on AlN nanotubes by parallel electric field. <i>Journal of Molecular Modeling</i> , 2013 , 19, 859-70	2	27
69	Arsenic interactions with a fullerene-like BN cage in the vacuum and aqueous phase. <i>Journal of Molecular Modeling</i> , 2013 , 19, 833-7	2	26
68	Nitrous oxide adsorption on pristine and Si-doped AlN nanotubes. <i>Journal of Molecular Modeling</i> , 2013 , 19, 943-9	2	26
67	Covalent functionalization of AlN nanotubes with acetylene. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013 , 47, 147-151	3	8
66	Selective adsorption behavior of BC ₂ N nanotubes toward fluoride and chloride. <i>Solid State Communications</i> , 2013 , 159, 8-12	1.6	20

65	Sensing behavior of Al and Si doped BC ₃ graphenes to formaldehyde. <i>Sensors and Actuators B: Chemical</i> , 2013 , 181, 829-834	8.5	158
64	Decomposition of methanol on nanosized tube of magnesium oxide: A theoretical study. <i>Computational Materials Science</i> , 2013 , 79, 182-186	3.2	11
63	Ammonia monitoring by carbon nitride nanotubes: A density functional study. <i>Thin Solid Films</i> , 2013 , 534, 650-654	2.2	62
62	A density functional theory study on acetylene-functionalized BN nanotubes. <i>Structural Chemistry</i> , 2013 , 24, 1007-1013	1.8	26
61	Structural and electronic properties of pyrrolidine-functionalized [60]fullerenes. <i>Journal of Physics and Chemistry of Solids</i> , 2013 , 74, 1594-1598	3.9	45
60	A large gap opening of graphene induced by the adsorption of CO on the Al-doped site. <i>Journal of Molecular Modeling</i> , 2013 , 19, 3007-14	2	72
59	Electronic, Energetic, and Geometric Properties of Methylene-Functionalized C ₆₀ . <i>Journal of Cluster Science</i> , 2013 , 24, 669-678	3	12
58	Exohedral and endohedral adsorption of alkaline earth cations in BN nanocluster. <i>Journal of Molecular Modeling</i> , 2013 , 19, 1445-50	2	27
57	Theoretical study on the functionalization of BCN nanotube with amino groups. <i>Journal of Molecular Modeling</i> , 2013 , 19, 2211-6	2	10
56	NH ₃ on a BC ₃ nanotube: effect of doping and decoration of aluminum. <i>Journal of Molecular Modeling</i> , 2013 , 19, 3793-8	2	19
55	Effects of Al Doping and Double-Antisite Defect on the Adsorption of HCN on a BC ₂ N Nanotube: Density Functional Theory Studies. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 2427-2432	3.8	176
54	A first-principles study of the adsorption behavior of CO on Al- and Ga-doped single-walled BN nanotubes. <i>Applied Surface Science</i> , 2013 , 270, 25-32	6.7	116
53	Quantum chemical analysis on hydrogenated Zn ₁₂ O ₁₂ nanoclusters. <i>Comptes Rendus Chimie</i> , 2013 , 16, 122-128	2.7	19
52	Al-doped graphene-like BN nanosheet as a sensor for para-nitrophenol: DFT study. <i>Superlattices and Microstructures</i> , 2013 , 59, 115-122	2.8	151
51	Carbon nitride nanotube as a sensor for alkali and alkaline earth cations. <i>Applied Surface Science</i> , 2013 , 264, 699-706	6.7	80
50	Fluorination of the exterior surface of AlN nanotube: A DFT study. <i>Superlattices and Microstructures</i> , 2013 , 53, 9-15	2.8	19
49	NO ₂ detection by nanosized AlN sheet in the presence of NH ₃ : DFT studies. <i>Applied Surface Science</i> , 2013 , 274, 217-220	6.7	97
48	Density Functional Study of the Adsorption of Methanol and its Derivatives on Boron Nitride Nanotubes. <i>Adsorption Science and Technology</i> , 2013 , 31, 767-776	3.6	4

47	Adsorption of Thiophene on Aluminum Nitride Nanotubes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2013 , 188, 1172-1177	1	5
46	Electronic Response of Nano-sized Cages of ZnO and MgO to Presence of Nitric Oxide. <i>Chinese Journal of Chemical Physics</i> , 2013 , 26, 231-236	0.9	21
45	Theoretical Study of Arsenic-Doped (6,0) Zigzag Silicon Carbide Nanotube as a N-Semiconductor. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2013 , 188, 1382-1393	1	0
44	Theoretical study of aluminum nitride nanotubes for chemical sensing of formaldehyde. <i>Sensors and Actuators B: Chemical</i> , 2012 , 161, 1025-1029	8.5	203
43	AlN nanotube as a potential electronic sensor for nitrogen dioxide. <i>Microelectronics Journal</i> , 2012 , 43, 452-455	1.8	84
42	Nitrate adsorption by carbon nanotubes in the vacuum and aqueous phase. <i>Monatshefte Für Chemie</i> , 2012 , 143, 1623-1626	1.4	65
41	Electronic structure study of Si-doped (4,4) armchair single-walled boron phosphide nanotube as a semiconductor. <i>Monatshefte Für Chemie</i> , 2012 , 143, 1627-1635	1.4	6
40	Cation-Interaction of alkali metal ions with C24 fullerene: a DFT study. <i>Journal of Molecular Modeling</i> , 2012 , 18, 3535-40	2	70
39	Electric field effect on (6,0) zigzag single-walled aluminum nitride nanotube. <i>Journal of Molecular Modeling</i> , 2012 , 18, 4477-89	2	10
38	NMR and NQR study of Si-doped (6,0) zigzag single-walled aluminum nitride nanotube as n or P-semiconductors. <i>Journal of Molecular Modeling</i> , 2012 , 18, 4427-36	2	1
37	Electronic sensor for sulfide dioxide based on AlN nanotubes: a computational study. <i>Journal of Molecular Modeling</i> , 2012 , 18, 4745-50	2	70
36	Adsorption of nitrous oxide on the (6,0) magnesium oxide nanotube. <i>Chinese Chemical Letters</i> , 2012 , 23, 1275-1278	8.1	15
35	Can aluminum nitride nanotubes detect the toxic NH ₃ molecules?. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012 , 44, 1357-1360	3	78
34	Energetic, structural, and electronic properties of hydrogenated Al ₁₂ P ₁₂ nanocluster. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012 , 44, 1436-1440	3	34
33	A first-principles study of H ₂ S adsorption and dissociation on the AlN nanotube. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012 , 44, 1963-1968	3	83
32	Theoretical study of CO adsorption on the surface of BN, AlN, BP and AlP nanotubes. <i>Surface Science</i> , 2012 , 606, 981-985	1.8	125
31	Adsorption and dissociation of Cl ₂ molecule on ZnO nanocluster. <i>Applied Surface Science</i> , 2012 , 258, 8171-8176	6.7	95
30	Functionalization of [60] fullerene with butadienes: A DFT study. <i>Applied Surface Science</i> , 2012 , 258, 8980-8984	6.9	55

29	Quantum chemical study of fluorinated AlN nano-cage. <i>Applied Surface Science</i> , 2012 , 259, 631-636	6.7	86
28	Selective function of Al ₁₂ N ₁₂ nano-cage towards NO and CO molecules. <i>Computational Materials Science</i> , 2012 , 62, 71-74	3.2	113
27	Theoretical investigation of C ₆₀ fullerene functionalization with tetrazine. <i>Computational and Theoretical Chemistry</i> , 2012 , 992, 164-167	2	61
26	A computational study of AlN nanotube as an oxygen detector. <i>Chinese Chemical Letters</i> , 2012 , 23, 965-968	3.8	66
25	Theoretical study of hydrogen adsorption on the B ₁₂ P ₁₂ fullerene-like nanocluster. <i>Computational Materials Science</i> , 2012 , 54, 115-118	3.2	83
24	Adsorption and Electronic Structure Study of Imidazole on (6,0) Zigzag Single-Walled Boron Nitride Nanotube. <i>Journal of Cluster Science</i> , 2012 , 24, 31	3	8
23	Phenol adsorption study on pristine, Ga-, and In-doped (4,4) armchair single-walled boron nitride nanotubes. <i>Computational and Theoretical Chemistry</i> , 2012 , 997, 63-69	2	60
22	First-principles calculations of structural stability, electronic, and electrical responses of GeC nanotube under electric field effect for use in nanoelectronic devices. <i>Superlattices and Microstructures</i> , 2012 , 52, 1119-1130	2.8	12
21	B-doping makes the carbon nanocones sensitive towards NO molecules. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012 , 377, 107-111	2.3	79
20	Adsorption of Na, Mg, and Al atoms on BN nanotubes. <i>Thin Solid Films</i> , 2012 , 526, 139-142	2.2	11
19	Detection of phosgene by Sc-doped BN nanotubes: A DFT study. <i>Sensors and Actuators B: Chemical</i> , 2012 , 171-172, 846-852	8.5	240
18	Theoretical study of cyano radical adsorption on (6,0) zigzag single-walled carbon nanotube. <i>Monatshefte für Chemie</i> , 2012 , 143, 1463-1470	1.4	14
17	Interaction of small molecules (NO, H ₂ , N ₂ , and CH ₄) with BN nanocluster surface. <i>Structural Chemistry</i> , 2012 , 23, 1567-1572	1.8	86
16	Effect of Gallium Doping on Electronic and Structural Properties (6,0) Zigzag Silicon Carbide Nanotube as a p-Semiconductor. <i>Journal of Cluster Science</i> , 2012 , 23, 1119-1132	3	16
15	Co-adsorption of CO molecules at the open ends of MgO nanotubes. <i>Structural Chemistry</i> , 2012 , 23, 1981-1986	3.8	18
14	A theoretical study of CO adsorption on aluminum nitride nanotubes. <i>Structural Chemistry</i> , 2012 , 23, 653-657	1.8	74
13	Benchmarking of ONIOM method for the study of NH ₃ dissociation at open ends of BNNTs. <i>Journal of Molecular Modeling</i> , 2012 , 18, 1729-34	2	71
12	The H ₂ dissociation on the BN, AlN, BP and AlP nanotubes: a comparative study. <i>Journal of Molecular Modeling</i> , 2012 , 18, 2343-8	2	80

11	A comparative study on the B12N12, Al12N12, B12P12 and Al12P12 fullerene-like cages. <i>Journal of Molecular Modeling</i> , 2012 , 18, 2653-8	2	129
10	B12N12 Nano-cage as Potential Sensor for NO2 Detection. <i>Chinese Journal of Chemical Physics</i> , 2012 , 25, 60-64	0.9	100
9	First Principles Study on Encapsulation of Alkali Metals into ZnO Nanocage. <i>Chinese Journal of Chemical Physics</i> , 2012 , 25, 671-675	0.9	21
8	Theoretical Study of Thiazole Adsorption on the (6,0) zigzag Single-Walled Boron Nitride Nanotube. <i>Bulletin of the Korean Chemical Society</i> , 2012 , 33, 3285-3292	1.2	27
7	A DFT Study on CO2 Interaction with a BN Nano-Cage. <i>Bulletin of the Korean Chemical Society</i> , 2012 , 33, 3338-3342	1.2	25
6	The Alkali Metal Interactions with MgO Nanotubes. <i>Bulletin of the Korean Chemical Society</i> , 2012 , 33, 1925-1928	1.2	14
5	Toxic CO detection by B12N12 nanocluster. <i>Microelectronics Journal</i> , 2011 , 42, 1400-1403	1.8	103
4	Computational study of CO and NO adsorption on magnesium oxide nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011 , 44, 546-549	3	88
3	Chemisorption of NH3 at the open ends of boron nitride nanotubes: a DFT study. <i>Structural Chemistry</i> , 2011 , 22, 183-188	1.8	84
2	The effect of surface curvature of aluminum nitride nanotubes on the adsorption of NH3. <i>Structural Chemistry</i> , 2011 , 22, 1261-1265	1.8	63
1	Interaction of NH3 with aluminum nitride nanotube: Electrostatic vs. covalent. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011 , 43, 1717-1719	3	76