

# George E Froudakis

## List of Publications by Year in descending order

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130  
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7,968  
citations

61984

43  
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49909

87  
g-index

131  
all docs

131  
docs citations

131  
times ranked

8802  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pillared Graphene: A New 3-D Network Nanostructure for Enhanced Hydrogen Storage. Nano Letters, 2008, 8, 3166-3170.	9.1	710
2	Materials for hydrogen-based energy storage – past, recent progress and future outlook. Journal of Alloys and Compounds, 2020, 827, 153548.	5.5	518
3	SiC Nanotubes: A Novel Material for Hydrogen Storage. Nano Letters, 2006, 6, 1581-1583.	9.1	334
4	Modeling of Thermal Transport in Pillared-Graphene Architectures. ACS Nano, 2010, 4, 1153-1161.	14.6	280
5	Carbon Nanoscrolls: A Promising Material for Hydrogen Storage. Nano Letters, 2007, 7, 1893-1897.	9.1	270
6	Improving Hydrogen Storage Capacity of MOF by Functionalization of the Organic Linker with Lithium Atoms. Nano Letters, 2008, 8, 1572-1576.	9.1	250
7	DarkSide-20k: A 20 tonne two-phase LAr TPC for direct dark matter detection at LNGS. European Physical Journal Plus, 2018, 133, 1.	2.6	247
8	Why Alkali-Metal-Doped Carbon Nanotubes Possess High Hydrogen Uptake. Nano Letters, 2001, 1, 531-533.	9.1	221
9	From Pure Carbon to Silicon-Carbon Nanotubes: An Ab-initio Study. Nano Letters, 2003, 3, 1481-1484.	9.1	193
10	Reticular Synthesis of HKUST-like tbo-MOFs with Enhanced CH <sub>4</sub> Storage. Journal of the American Chemical Society, 2016, 138, 1568-1574.	13.7	193
11	Ab initio Study of the Interactions between CO <sub>2</sub> and N-Containing Organic Heterocycles. ChemPhysChem, 2009, 10, 374-383.	2.1	180
12	Insight on the Formation of Chitosan Nanoparticles through Ionotropic Gelation with Tripolyphosphate. Molecular Pharmaceutics, 2012, 9, 2856-2862.	4.6	177
13	Curvature dependence of the metal catalyst atom interaction with carbon nanotubes walls. Chemical Physics Letters, 2000, 320, 425-434.	2.6	151
14	Why Li Doping in MOFs Enhances H <sub>2</sub> Storage Capacity? A Multi-scale Theoretical Study. Journal of Physical Chemistry C, 2008, 112, 7290-7294.	3.1	145
15	Designing 3D COFs with Enhanced Hydrogen Storage Capacity. Nano Letters, 2010, 10, 452-454.	9.1	144
16	DFT Study of the Hydrogen Spillover Mechanism on Pt-Doped Graphite. Journal of Physical Chemistry C, 2009, 113, 14908-14915.	3.1	136
17	Hydrogen storage in nanotubes & nanostructures. Materials Today, 2011, 14, 324-328.	14.2	131
18	Outlook and challenges for hydrogen storage in nanoporous materials. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	129

#	ARTICLE	IF	CITATIONS
19	Why boron nitride nanotubes are preferable to carbon nanotubes for hydrogen storage? An ab initio theoretical study. <i>Catalysis Today</i> , 2007, 120, 341-345.	4.4	120
20	Hydrogen Storage in 3D Covalent Organic Frameworks. A Multiscale Theoretical Investigation. <i>Journal of Physical Chemistry C</i> , 2008, 112, 9095-9098.	3.1	108
21	DFT Study of Hydrogen Storage by Spillover on Graphite with Oxygen Surface Groups. <i>Journal of the American Chemical Society</i> , 2009, 131, 15133-15135.	13.7	108
22	Chemically intuited, large-scale screening of MOFs by machine learning techniques. <i>Npj Computational Materials</i> , 2017, 3, .	8.7	107
23	Catalytic Action of Ni Atoms in the Formation of Carbon Nanotubes: A Molecular Dynamics Study. <i>Physical Review Letters</i> , 2000, 85, 3193-3196.	7.8	106
24	A Universal Machine Learning Algorithm for Large-Scale Screening of Materials. <i>Journal of the American Chemical Society</i> , 2020, 142, 3814-3822.	13.7	98
25	Li-Doped Pillared Graphene Oxide: A Graphene-Based Nanostructured Material for Hydrogen Storage. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2459-2464.	4.6	95
26	Stabilization of Si-based cage clusters and nanotubes by encapsulation of transition metal atoms. <i>New Journal of Physics</i> , 2002, 4, 78-78.	2.9	92
27	Hydrogen interaction with carbon nanotubes: a review of ab initio studies. <i>Journal of Physics Condensed Matter</i> , 2002, 14, R453-R465.	1.8	88
28	Multi-scale theoretical investigation of hydrogen storage in covalent organic frameworks. <i>Nanoscale</i> , 2011, 3, 856.	5.6	88
29	Drastic Enhancement of the CO <sub>2</sub> Adsorption Properties in Sulfone-Functionalized Zr- and Hf-UiO-67 MOFs with Hierarchical Mesopores. <i>Inorganic Chemistry</i> , 2014, 53, 679-681.	4.0	87
30	Hydrogen Interaction with Single-Walled Carbon Nanotubes: A Combined Quantum-Mechanics/Molecular-Mechanics Study. <i>Nano Letters</i> , 2001, 1, 179-182.	9.1	86
31	Enhancement of Hydrogen Adsorption in Metal-Organic Frameworks by the Incorporation of the Sulfonate Group and Li Cations. A Multiscale Computational Study. <i>Journal of the American Chemical Society</i> , 2009, 131, 13410-13414.	13.7	79
32	Review of computer simulations on anti-cancer drug delivery in MOFs. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1255-1272.	6.0	79
33	Various bonding configurations of transition-metal atoms on carbon nanotubes: Their effect on contact resistance. <i>Applied Physics Letters</i> , 2000, 76, 3890-3892.	3.3	73
34	Structure and Stability of Ni-Encapsulated Si Nanotube. <i>Nano Letters</i> , 2002, 2, 301-304.	9.1	70
35	Hydrogen Storage in Lithium-Functionalized 3-D Covalent-Organic Framework Materials. <i>Journal of Physical Chemistry C</i> , 2009, 113, 21253-21257.	3.1	68
36	Enhanced hydrogen storage by spillover on metal-doped carbon foam: an experimental and computational study. <i>Nanoscale</i> , 2011, 3, 933.	5.6	65

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37	A Robust Machine Learning Algorithm for the Prediction of Methane Adsorption in Nanoporous Materials. <i>Journal of Physical Chemistry A</i> , 2019, 123, 6080-6087.	2.5	61
38	Understanding the structure of metal encapsulated Si cages and nanotubes: Role of symmetry and d-band filling. <i>Journal of Chemical Physics</i> , 2003, 119, 7498-7502.	3.0	56
39	Tight-binding molecular dynamics study of transition metal carbide clusters. <i>Chemical Physics Letters</i> , 1999, 301, 503-508.	2.6	51
40	A Generic Machine Learning Algorithm for the Prediction of Gas Adsorption in Nanoporous Materials. <i>Journal of Physical Chemistry C</i> , 2020, 124, 7117-7126.	3.1	51
41	Site Specificity in the Photooxidation of Some Trisubstituted Alkenes in Thionin-Supported Zeolite Na <sup>+</sup> Y. On the Role of the Alkali Metal Cation. <i>Organic Letters</i> , 2000, 2, 1369-1372.	4.6	49
42	Multiscale simulations reveal IRMOF-74-III as a potent drug carrier for gemcitabine delivery. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3277-3282.	5.8	49
43	Effect of curvature and chirality for hydrogen storage in single-walled carbon nanotubes: A Combined ab initio and Monte Carlo investigation. <i>Journal of Chemical Physics</i> , 2007, 126, 144704.	3.0	45
44	Why alkali metals preferably bind on structural defects of carbon nanotubes: A theoretical study by first principles. <i>Journal of Chemical Physics</i> , 2006, 125, 204707.	3.0	40
45	An Automated Machine Learning architecture for the accelerated prediction of Metal-Organic Frameworks performance in energy and environmental applications. <i>Microporous and Mesoporous Materials</i> , 2020, 300, 110160.	4.4	40
46	Contrasting bonding behaviors of 3d transition metal atoms with graphite and C <sub>60</sub> . <i>Physical Review B</i> , 2000, 62, 9867-9871.	3.2	38
47	Glycine Interaction with Carbon Nanotubes: An ab Initio Study. <i>Journal of Physical Chemistry B</i> , 2006, 110, 6048-6050.	2.6	38
48	Theoretical Explanation of Hydrogen Spillover in Metal-Organic Frameworks. <i>Journal of Physical Chemistry C</i> , 2011, 115, 4047-4053.	3.1	38
49	Toward Efficient Drug Delivery through Suitably Prepared Metal-Organic Frameworks: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2014, 118, 8885-8890.	3.1	37
50	Complete Assignment of <sup>1</sup> H and <sup>13</sup> C NMR Spectra of Poly(N-vinylcarbazole). <i>Macromolecules</i> , 2000, 33, 3180-3183.	4.8	36
51	Silicon carbide nanotube tips: Promising materials for atomic force microscopy and/or scanning tunneling microscopy. <i>Applied Physics Letters</i> , 2006, 89, 123126.	3.3	35
52	Theoretical study of the Si <sub>3</sub> C <sub>2</sub> cluster. <i>Chemical Physics Letters</i> , 1995, 233, 619-626.	2.6	34
53	The effect of structural and energetic parameters of MOFs and COFs towards the improvement of their hydrogen storage properties. <i>Nanotechnology</i> , 2009, 20, 204030.	2.6	32
54	On the Enhancement of Molecular Hydrogen Interactions in Nanoporous Solids for Improved Hydrogen Storage. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1824-1830.	4.6	32

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55	Computational Prediction of New Hydrocarbon Materials: The Hydrogenated Forms of Graphdiyne. <i>Journal of Physical Chemistry C</i> , 2012, 116, 19211-19214.	3.1	32
56	Magnetic enhancement and magnetic reduction in binary clusters of transition metal atoms. <i>Journal of Chemical Physics</i> , 2004, 120, 11901-11904.	3.0	31
57	Enhancement of Hydrogen Adsorption in Metal-Organic Frameworks by Mg <sup>2+</sup> Functionalization: A Multiscale Computational Study. <i>Journal of Physical Chemistry C</i> , 2010, 114, 16855-16858.	3.1	31
58	Molecular dynamics simulations of thermal transport in porous nanotube network structures. <i>Nanoscale</i> , 2011, 3, 3679.	5.6	31
59	Hydrogen Storage in Novel Li-Doped Corrole Metal-Organic Frameworks. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8359-8363.	3.1	30
60	Designing novel nanoporous architectures of carbon nanotubes for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 9825-9829.	7.1	30
61	Continuous Breathing Rare-Earth MOFs Based on Hexanuclear Clusters with Gas Trapping Properties. <i>Journal of the American Chemical Society</i> , 2021, 143, 10250-10260.	13.7	30
62	Water-stable 2-D Zr MOFs with exceptional UO <sub>2</sub> <sup>2+</sup> sorption capability. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1849-1857.	10.3	29
63	A tight-binding molecular dynamics study of Ni Si binary clusters. <i>Chemical Physics Letters</i> , 1998, 292, 487-492.	2.6	28
64	Tuning the interaction strength and the adsorption of CO <sub>2</sub> in metal organic frameworks by functionalization of the organic linkers. <i>Microporous and Mesoporous Materials</i> , 2016, 227, 144-151.	4.4	28
65	Mass spectra and theoretical modeling of Li+Nen, Li+Arn and Li+Krn clusters. <i>Chemical Physics</i> , 2000, 258, 13-20.	1.9	27
66	Ab initio study of electronic, structural, and vibrational properties of the Si <sub>4</sub> C cluster. <i>Journal of Chemical Physics</i> , 1996, 104, 2566-2573.	3.0	26
67	Structural properties of metal-benzene, Mn(benzene) <sub>m</sub> , M=Ni, V complexes: an ab initio study. <i>Chemical Physics Letters</i> , 2001, 350, 393-398.	2.6	26
68	Carbon-Based Nanoporous Networks as Media for the Separation of CO <sub>2</sub> /CH <sub>4</sub> Mixtures: A Molecular Dynamics Approach. <i>Journal of Physical Chemistry C</i> , 2013, 117, 19373-19381.	3.1	26
69	The electronic spectrum of linear and rhombic C <sub>4</sub> . <i>Chemical Physics Letters</i> , 2000, 324, 195-200.	2.6	25
70	Stereochemistry in the Reaction of 4-Methyl-1,2,4-triazoline-3,5-dione (MTAD) with <sup>1</sup> 2, <sup>1</sup> 2-Dimethyl-p-methoxystyrene. Are Open Biradicals the Reaction Intermediates? <i>Journal of Organic Chemistry</i> , 2001, 66, 3682-3687.	3.2	25
71	Atomic Hydrogen Diffusion on Doped and Chemically Modified Graphene. <i>Journal of Physical Chemistry C</i> , 2013, 117, 6312-6319.	3.1	25
72	Reticular Chemistry and the Discovery of a New Family of Rare Earth (4, 8)-Connected Metal-Organic Frameworks with <b>csq</b> Topology Based on RE <sub>4</sub> ( <sup>1</sup> / <sub>4</sub> -O) <sub>3</sub> (COO) <sub>8</sub> Clusters. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44560-44566.	8.0	25

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73	A combination of multi-scale calculations with machine learning for investigating hydrogen storage in metal organic frameworks. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 27612-27621.	7.1	25
74	Extreme hydrogen sensitivity of the transport properties of single-wall carbon-nanotube capsules. <i>Physical Review B</i> , 2001, 64, .	3.2	24
75	Mass spectra and structures of Cu+Rgn clusters (Rg=Ne, Ar). <i>Chemical Physics</i> , 2002, 280, 43-51.	1.9	23
76	Fast Screening of Large Databases for Top Performing Nanomaterials Using a Self-Consistent, Machine Learning Based Approach. <i>Journal of Physical Chemistry C</i> , 2020, 124, 19639-19648.	3.1	22
77	Stability and structure of Ni+Arn and Pt+Arn clusters. <i>Journal of Chemical Physics</i> , 1998, 109, 4687-4688.	3.0	21
78	Ab-Initio Study of the Adsorption and Separation of NO <sub>x</sub> and SO <sub>x</sub> Gases in Functionalized IRMOF Ligands. <i>Journal of Physical Chemistry C</i> , 2011, 115, 24906-24914.	3.1	21
79	Hydrogen Storage with Spectroscopic Identification of Chemisorption Sites in Cu-TDPAT via Spillover from a Pt/Activated Carbon Catalyst. <i>Journal of Physical Chemistry C</i> , 2014, 118, 26750-26763.	3.1	20
80	OH-functionalization strategy in Metal-Organic Frameworks for drug delivery. <i>Chemical Physics Letters</i> , 2017, 685, 114-118.	2.6	20
81	MRD-CI study of the electronic spectrum of linear C9. <i>Chemical Physics Letters</i> , 2001, 336, 171-176.	2.6	19
82	Carbon-nanotube tips with edge made of a transition metal. <i>Applied Physics Letters</i> , 2005, 87, 193105.	3.3	19
83	Haeckelites: A promising anode material for lithium batteries application. An ab initio and molecular dynamics theoretical study. <i>Applied Physics Letters</i> , 2006, 89, 233125.	3.3	18
84	A cyclam-type fluorescent sensor selective for mercury ions in aqueous media. <i>RSC Advances</i> , 2012, 2, 12679.	3.6	18
85	Properties and energetics for design and characterization of chitosan nanoparticles used for drug encapsulation. <i>RSC Advances</i> , 2014, 4, 12653.	3.6	18
86	SiPM-matrix readout of two-phase argon detectors using electroluminescence in the visible and near infrared range. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	18
87	Ene Hydroperoxidation of Isobutenylarenes within Dye-Exchanged Zeolite Na <sup>+</sup> Y: Control of Site Selectivity by Cation-Arene Interactions. <i>Journal of Organic Chemistry</i> , 2003, 68, 2839-2843.	3.2	17
88	Grand Canonical Monte Carlo Method for Gas Adsorption and Separation. <i>Journal of Computational and Theoretical Nanoscience</i> , 2009, 6, 335-348.	0.4	17
89	Theoretical and experimental studies of metallated phenanthroline derivatives as carriers for the optimization of the nitrate sensor. <i>Analytica Chimica Acta</i> , 2001, 439, 273-280.	5.4	16
90	A Multi Scale Theoretical Study of Li <sup>+</sup> Interaction with Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 3731-3735.	0.9	16

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91	Theoretical Study of Amino Acid Interaction with Metal Organic Frameworks. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 272-275.	4.6	16
92	Cryogenic Characterization of FBK RGB-HD SiPMs. <i>Journal of Instrumentation</i> , 2017, 12, P09030-P09030.	1.2	16
93	Porous carbon nanotube networks and pillared graphene materials exhibiting high SF <sub>6</sub> adsorption uptake and separation selectivity of SF <sub>6</sub> /N <sub>2</sub> fluid mixtures: A comparative molecular simulation study. <i>Microporous and Mesoporous Materials</i> , 2020, 307, 110464.	4.4	16
94	Ab Initio Study of the Adsorption of CO <sub>2</sub> on Functionalized Benzenes. <i>ChemPhysChem</i> , 2014, 15, 905-911.	2.1	15
95	Separation of CO <sub>2</sub> -N <sub>2</sub> mixtures in 3D carbon-based porous nanotube networks: a molecular dynamics investigation. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 876-879.	2.8	14
96	Model potential for silicon clusters and surfaces. <i>Physical Review B</i> , 1993, 47, 10648-10653.	3.2	13
97	Ab initio CCSD(T) and MRD-CI study of excited states and the electronic spectrum of linear C <sub>5</sub> <sup>+</sup> . <i>Chemical Physics Letters</i> , 2001, 340, 559-564.	2.6	13
98	The electronic spectrum of linear pentadiynylidene in comparison with isomeric ethynylcyclopropenylidene. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 3318-3321.	2.8	13
99	Anomalous temperature dependence of the resistivity of single-wall carbon nanotubes. <i>Physical Review B</i> , 2000, 61, R13393-R13396.	3.2	11
100	The electronic spectrum of C <sub>11</sub> in its linear and cyclic conformation. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 3913-3916.	2.8	11
101	Alternative use of cross-linked polyallylamine (known as Sevelamer pharmaceutical compound) as biosorbent. <i>Journal of Colloid and Interface Science</i> , 2015, 442, 49-59.	9.4	11
102	Expanding the NUIG MOF family: synthesis and characterization of new MOFs for selective CO <sub>2</sub> adsorption, metal ion removal from aqueous systems, and drug delivery applications. <i>Dalton Transactions</i> , 2021, 50, 6997-7006.	3.3	11
103	Coordination of Ti cation embedded in argon clusters. <i>Chemical Physics Letters</i> , 1999, 302, 595-601.	2.6	10
104	Tight-Binding Molecular Dynamics Study of Heteronuclear Systems: Application to Si <sub>m</sub> Ge <sub>n</sub> Clusters. <i>Journal of Cluster Science</i> , 1999, 10, 549-556.	3.3	10
105	Stereochemistry of the [4+2] Cycloadditions of trans,trans- and cis,trans-2,4-Hexadiene to C <sub>60</sub> . <i>Journal of Organic Chemistry</i> , 2002, 67, 3284-3289.	3.2	10
106	A "turn-on" turning-to-ratiometric sensor for zinc(II) ions in aqueous media. <i>RSC Advances</i> , 2014, 4, 693-696.	3.6	10
107	Enhancement of CO <sub>2</sub> Adsorption in Magnesium Alkoxide IRMOF-10. <i>Journal of Physical Chemistry C</i> , 2015, 119, 22001-22007.	3.1	9
108	Introducing artificial MOFs for improved machine learning predictions: Identification of top-performing materials for methane storage. <i>Journal of Chemical Physics</i> , 2022, 156, 054103.	3.0	9

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109	Importance of multi-reference configuration interaction for $\pi \rightarrow \pi^*$ transitions of linear HC7H. Chemical Physics Letters, 2002, 356, 398-402.	2.6	8
110	Highly selective separation and adsorption-induced phase transition of SF <sub>6</sub> -N <sub>2</sub> fluid mixtures in three-dimensional carbon nanotube networks. Journal of Supercritical Fluids, 2016, 113, 89-95.	3.2	8
111	Directed assembly of a high surface area 2D metal-organic framework displaying the augmented $\delta$ - $\gamma$ layered topology with high H <sub>2</sub> and CO <sub>2</sub> uptake. Inorganic Chemistry Frontiers, 2017, 4, 825-832.	6.0	8
112	A biocompatible ZnNa <sub>2</sub> -based metal-organic framework with high ibuprofen, nitric oxide and metal uptake capacity. Materials Advances, 2020, 1, 2248-2260.	5.4	8
113	Direct observation of spin-injection in tyrosinate-functionalized single-wall carbon nanotubes. Carbon, 2014, 67, 424-433.	10.3	7
114	Antimony speciation in spirits stored in PET bottles: identification of a novel antimony complex. Journal of Analytical Atomic Spectrometry, 2017, 32, 1109-1118.	3.0	7
115	Two-Fold Homointerpenetrated Metal-Organic Framework with the Potential for Anticancer Drug Loading Using Computational Simulations. Crystal Growth and Design, 2021, 21, 6402-6410.	3.0	7
116	Linker Functionalization Strategy for Water Adsorption in Metal-Organic Frameworks. Molecules, 2022, 27, 2614.	3.8	7
117	Assessing the Density Functional Theory in the Hydrogen Storage Problem. Journal of Nanoscience and Nanotechnology, 2008, 8, 3091-3096.	0.9	6
118	cis- and trans-N-Benzyl-octahydrobenzo[g]quinolines. Adrenergic and Dopaminergic Activity Studies. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 883-886.	2.2	5
119	Enhancement of the Ionization-Potential of K and Rb upon Chemisorption on a C <sub>60</sub> Molecule. Journal of Physical Chemistry C, 2007, 111, 6593-6596.	3.1	5
120	Organically interconnected graphene flakes: A flexible 3-D material with tunable electronic bandgap. Scientific Reports, 2019, 9, 13676.	3.3	5
121	Surface Modification Strategy for Enhanced NO <sub>2</sub> Capture in Metal-Organic Frameworks. Molecules, 2022, 27, 3448.	3.8	5
122	An MRD-CI study of the electronic spectrum of Si <sub>3</sub> C <sub>3</sub> . Journal of Molecular Spectroscopy, 2004, 223, 96-100.	1.2	4
123	Confinement Effects on the Properties of Polar Hydrogen-Bonded Fluids: A Showcase on Methanol Adsorbed in Three-Dimensional Pillared Graphene and Carbon Nanotube Networks. Journal of Physical Chemistry C, 2020, 124, 22959-22971.	3.1	4
124	Enhancing of CO Uptake in Metal-Organic Frameworks by Linker Functionalization: A Multi-Scale Theoretical Study. Chemistry, 2022, 4, 603-614.	2.2	4
125	Reproduction of quantum tight-binding effects in silicon clusters by a four-body classical model. Journal of Physics Condensed Matter, 1993, 5, 6183-6188.	1.8	1
126	Gas Adsorption and Separation by Employing Grand Canonical Monte Carlo Simulations. , 2009, , .		0



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127	First Principles Theoretical Study of the Interaction of Hydrogen with the Ultra-Microporous Materials IRMOF And COF. , 2009, , .		0
128	On the Interaction between Carbon Dioxide and Nanomaterials with High Accuracy ab initio and DFT Calculations. , 2009, , .		0
129	CATALYTIC ACTION OF $\text{Ni}$ ATOMS IN THE FORMATION OF CARBON NANOTUBES: A COMBINED AB-INITIO AND MOLECULAR DYNAMICS STUDY. , 2001, , .		0
130	Hydrogen storage in carbon nanotubes: a multi-scale theoretical study. Journal of Nanoscience and Nanotechnology, 2006, 6, 87-90.	0.9	0