Qihua Yang

List of Publications by Year
in descending order

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125 papers	6,545 citations	41344 49 h-index	71685 76 g-index
133 all docs	133 docs citations	133 times ranked	7733 citing authors

#	Article	IF	Citations
1	Enormous Promotion of Photocatalytic Activity through the Use of Near-Single Layer Covalent Organic Frameworks. CCS Chemistry, 2022, 4, 2429-2439.	7.8	25
2	Methanol Steam Reforming over ZnO/ZnZrOx: Performance Enhanced with a Cooperative Effect. ChemCatChem, 2022, 14, .	3.7	5
3	Fabrication of Flexible Coâ€salen Integrated Polymers for Hydration of Epoxides and Alkynes via Cooperative Activation. ChemNanoMat, 2022, 8, .	2.8	4
4	The Fabrication of Pd Single Atoms/Clusters on COF Layers as Co-catalysts for Photocatalytic H₂ Evolution. ACS Applied Materials & Interfaces, 2022, 14, 6885-6893.	8.0	26
5	Review of advances in bifunctional solid acid/base catalysts for sustainable biodiesel production. Applied Catalysis A: General, 2022, 633, 118525.	4.3	57
6	Can Li: A Career in Catalysis. ACS Catalysis, 2022, 12, 3063-3082.	11.2	8
7	The promotion effect of Ï€-Ï€ interactions in Pd NPs catalysed selective hydrogenation. Nature Communications, 2022, 13, 1770.	12.8	45
8	Assembly of COFs layer and electron mediator on silica for visible light driven photocatalytic NADH regeneration. Applied Catalysis B: Environmental, 2022, 310, 121314.	20.2	28
9	Covalent organic frameworks with high quantum efficiency in sacrificial photocatalytic hydrogen evolution. Nature Communications, 2022, 13, 2357.	12.8	156
10	Activation of Carbonyl Groups via Weak Interactions in Pt/COF/SiO₂ Catalyzed Selective Hydrogenation. ACS Catalysis, 2022, 12, 6618-6627.	11.2	19
11	Water accelerated activity of Ru NPs in sequential hydrogenation of nitrobenzene to cyclohexylamine. Journal of Catalysis, 2022, 413, 546-553.	6.2	8
12	Engineering of Yolk/Coreâ€“Shell Structured Nanoreactors for Thermal Hydrogenations. Small, 2021, 17, e1906250.	10.0	60
13	Fabrication of NanoCOF/Polyoxometallate Composites for Photocatalytic NADH Regeneration via Cascade Electron Relay. Solar Rrl, 2021, 5, .	5.8	17
14	Highly active ultrafine Pd NPs confined in imine-linked COFs for nitrobenzene hydrogenation. Catalysis Science and Technology, 2021, 11, 3873-3879.	4.1	27
15	Yolk-Shell Structured Functional Nanoreactors for Organic Transformations. Nanostructure Science and Technology, 2021, , 379-394.	0.1	0
16	Chemoselective NADH Regeneration: the Synergy Effect of TiO_x and Pt in NAD⁺ Hydrogenation. ACS Sustainable Chemistry and Engineering, 2021, 9, 6499-6506.	6.7	20
17	Hydrogenation of benzoic acid derivatives over Pt/TiO2 under mild conditions. Communications Chemistry, 2021, 4, .	4.5	19
18	Synthesis of Bifunctional Porphyrin Polymers for Catalytic Conversion of Dilute CO₂ to Cyclic Carbonates. ACS Applied Materials & Interfaces, 2021, 13, 29522-29531.	8.0	53

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19	Synthesis of Sulfonated Porous Organic Polymers with a Hydrophobic Core for Efficient Acidic Catalysis in Organic Transformations. Chemistry - an Asian Journal, 2021, 16, 2041-2047.	3.3	7
20	The Influence of Surface Structure of RhPt Bimetallic Nanoparticles on the Hydrogenation of Aromatic Compounds. Journal of Physical Chemistry C, 2021, 125, 15275-15282.	3.1	11
21	Development of efficient solid chiral catalysts with designable linkage for asymmetric transfer hydrogenation of quinoline derivatives. Chinese Journal of Catalysis, 2021, 42, 1576-1585.	14.0	6
22	One-pot synthesis of mesosilica/nano covalent organic polymer composites and their synergistic effect in photocatalysis. Chinese Journal of Catalysis, 2021, 42, 1821-1830.	14.0	15
23	Synthesis of bipyridine-based covalent organic frameworks for visible-light-driven photocatalytic water oxidation. Applied Catalysis B: Environmental, 2020, 262, 118271.	20.2	113
24	Efficient Asymmetric Hydrogenation of Quinolines over Chiral Porous Polymers Integrated with Substrate Activation Sites. ACS Catalysis, 2020, 10, 1783-1791.	11.2	20
25	Lithiumâ€“Sulfur Batteries: Dualâ€Functional Atomic Zinc Decorated Hollow Carbon Nanoreactors for Kinetically Accelerated Polysulfides Conversion and Dendrite Free Lithium Sulfur Batteries (Adv.) Tj ETQq1 1 0.784314 rgBT /Overlock 10	19.5	4
26	Waterâ€Promoted Heterogeneous Asymmetric Hydrogenation of Quinolines over Ordered Macroporous Poly(ionic liquid) Catalyst. Asian Journal of Organic Chemistry, 2020, 9, 1623-1630.	2.7	4
27	Micro-scale spatial location engineering of COFâ€“TiO₂ heterojunctions for visible light driven photocatalytic alcohol oxidation. Journal of Materials Chemistry A, 2020, 8, 18745-18754.	10.3	58
28	Efficient Production of Nitrones via One-Pot Reductive Coupling Reactions Using Bimetallic RuPt NPs. ACS Catalysis, 2020, 10, 13701-13709.	11.2	13
29	Dualâ€Functional Atomic Zinc Decorated Hollow Carbon Nanoreactors for Kinetically Accelerated Polysulfides Conversion and Dendrite Free Lithium Sulfur Batteries. Advanced Energy Materials, 2020, 10, 2002271.	19.5	137
30	Asymmetric photocatalysis over robust covalent organic frameworks with tetrahydroquinoline linkage. Chinese Journal of Catalysis, 2020, 41, 1288-1297.	14.0	54
31	Structural Engineering of Two-Dimensional Covalent Organic Frameworks for Visible-Light-Driven Organic Transformations. ACS Applied Materials & Interfaces, 2020, 12, 20354-20365.	8.0	80
32	Aminopolymer Confined in Ethaneâ€Silica Nanotubes for CO₂ Capture from Ambient Air. ChemNanoMat, 2020, 6, 1096-1103.	2.8	10
33	Microenvironment Engineering of Ruthenium Nanoparticles Incorporated into Silica Nanoreactors for Enhanced Hydrogenations. Angewandte Chemie - International Edition, 2019, 58, 14483-14488.	13.8	71
34	Microenvironment Engineering of Ruthenium Nanoparticles Incorporated into Silica Nanoreactors for Enhanced Hydrogenations. Angewandte Chemie, 2019, 131, 14625-14630.	2.0	10
35	Enhanced Hydrogenation Performance over Hollow Structured Coâ€CoOx@Nâ€C Capsules. Advanced Science, 2019, 6, 1900807.	11.2	79
36	Innentitelbild: Microenvironment Engineering of Ruthenium Nanoparticles Incorporated into Silica Nanoreactors for Enhanced Hydrogenations (Angew. Chem. 41/2019). Angewandte Chemie, 2019, 131, 14530-14530.	2.0	1

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37	Synthesis of polymer/CNTs composites for the heterogeneous asymmetric hydrogenation of quinolines. Chinese Journal of Catalysis, 2019, 40, 1548-1556.	14.0	9
38	Synthesis of CNTs@POPâ€Salen Coreâ€Shell Nanostructures for Catalytic Epoxides Hydration. ChemCatChem, 2019, 11, 3952-3958.	3.7	13
39	Synthesis of covalent organic frameworks via in situ salen skeleton formation for catalytic applications. Journal of Materials Chemistry A, 2019, 7, 5482-5492.	10.3	89
40	Submicroreactors: Enhanced Hydrogenation Performance over Hollow Structured Coâ€CoOx@Nâ€C Capsules (Adv. Sci. 22/2019). Advanced Science, 2019, 6, 1970135.	11.2	3
41	Novel conjugated organic polymers as candidates for visible-light-driven photocatalytic hydrogen production. Applied Catalysis B: Environmental, 2019, 241, 461-470.	20.2	77
42	The cooperation of porphyrin-based porous polymer and thermal-responsive ionic liquid for efficient CO₂ cycloaddition reaction. Green Chemistry, 2018, 20, 903-911.	9.0	88
43	Cationic Znâ€“Porphyrin Polymer Coated onto CNTs as a Cooperative Catalyst for the Synthesis of Cyclic Carbonates. ACS Applied Materials & Interfaces, 2018, 10, 2546-2555.	8.0	92
44	Synthesis of Silica Hollow Nanoreactors with Finely Engineered Inner/Outer Surface Properties. ChemistrySelect, 2018, 3, 544-549.	1.5	0
45	Submicroreactors: The Development of Yolk-Shell-Structured Pd&ZnO@Carbon Submicroreactors with High Selectivity and Stability (Adv. Funct. Mater. 32/2018). Advanced Functional Materials, 2018, 28, 1870227.	14.9	1
46	Highly Active and Selective RuPd Bimetallic NPs for the Cleavage of the Diphenyl Ether Câ€“O Bond. ACS Catalysis, 2018, 8, 11174-11183.	11.2	60
47	Cationic Zn-Porphyrin Immobilized in Mesoporous Silicas as Bifunctional Catalyst for CO₂ Cycloaddition Reaction under Cocatalyst Free Conditions. ACS Sustainable Chemistry and Engineering, 2018, 6, 9237-9245.	6.7	69
48	The Development of Yolkâ€“Shellâ€Structured Pd&ZnO@Carbon Submicroreactors with High Selectivity and Stability. Advanced Functional Materials, 2018, 28, 1801737.	14.9	78
49	Improving Catalytic Hydrogenation Performance of Pd Nanoparticles by Electronic Modulation Using Phosphine Ligands. ACS Catalysis, 2018, 8, 6476-6485.	11.2	148
50	Heterogeneous hydroformylation of long-chain alkenes in IL-in-oil Pickering emulsion. Green Chemistry, 2018, 20, 188-196.	9.0	53
51	Cocatalystâ€Free Hybrid Ionic Liquid (IL)â€Based Porous Materials for Efficient Synthesis of Cyclic Carbonates through a Cooperative Activation Pathway. Chemistry - an Asian Journal, 2017, 12, 577-585.	3.3	27
52	Ultrasmall Platinum Stabilized on Triphenylphosphineâ€Modified Silica for Chemoselective Hydrogenation. Chemistry - A European Journal, 2017, 23, 7791-7797.	3.3	42
53	Accelerated catalytic activity of Pd NPs supported on amine-rich silica hollow nanospheres for quinoline hydrogenation. Catalysis Science and Technology, 2017, 7, 2221-2227.	4.1	81
54	Positional immobilization of Pd nanoparticles and enzymes in hierarchical yolkâ€“shell@shell nanoreactors for tandem catalysis. Chemical Communications, 2017, 53, 7780-7783.	4.1	52

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55	Tuning the Surface Polarity of Microporous Organic Polymers for CO₂ Capture. Chemistry - an Asian Journal, 2017, 12, 2291-2298.	3.3	14
56	Synthesis of a Pyridineâ€“Zincâ€Based Porous Organic Polymer for the Coâ€catalystâ€Free Cycloaddition of Epoxides. Chemistry - an Asian Journal, 2017, 12, 1095-1103.	3.3	37
57	N-doped porous carbons with exceptionally high CO2 selectivity for CO2 capture. Carbon, 2017, 114, 473-481.	10.3	148
58	Cooperative Activation of Cobaltâ€“Salen Complexes for Epoxide Hydration Promoted on Flexible Porous Organic Frameworks. Chemistry - A European Journal, 2017, 23, 11504-11508.	3.3	24
59	Highly active water oxidation on nanostructured biomimetic calcium manganese oxide catalysts. Journal of Materials Chemistry A, 2016, 4, 6585-6594.	10.3	27
60	Epoxides hydration on CoIII(salen)-OTs encapsulated in silica nanocages modified with prehydrolyzed TMOS. Journal of Catalysis, 2016, 338, 184-191.	6.2	22
61	Adjusting the Acid Strength of Hybrid Solid Acids in Confined Nanospace. Topics in Catalysis, 2016, 59, 1748-1756.	2.8	7
62	Hierarchical mesoporous organic polymer with an intercalated metal complex for the efficient synthesis of cyclic carbonates from flue gas. Green Chemistry, 2016, 18, 6493-6500.	9.0	74
63	A highly active non-precious metal catalyst based on Feâ€“Nâ€“C@CNTs for nitroarene reduction. RSC Advances, 2016, 6, 96203-96209.	3.6	9
64	Nanostructured hybrid NiFeOOH/CNT electrocatalysts for oxygen evolution reaction with low overpotential. RSC Advances, 2016, 6, 74536-74544.	3.6	28
65	Enhancing the catalytic activity of Ru NPs deposited with carbon species in yolkâ€“shell nanostructures. Journal of Materials Chemistry A, 2016, 4, 10956-10963.	10.3	26
66	Hydroformylation of 1-octene in Pickering emulsion constructed by amphiphilic mesoporous silica nanoparticles. Journal of Catalysis, 2016, 334, 52-59.	6.2	70
67	Improved catalytic performance of encapsulated Ru nanowires for aqueous-phase Fischerâ€“Tropsch synthesis. Catalysis Science and Technology, 2016, 6, 2181-2187.	4.1	17
68	Ultra-small Au nanoparticles stabilized by silica hollow nanospheres for styrene oxidation with oxygen. RSC Advances, 2015, 5, 105747-105752.	3.6	14
69	Rh-PPh3-polymer@mesosilica composite catalyst for the hydroformylation of 1-octene. Chinese Journal of Catalysis, 2015, 36, 168-174.	14.0	9
70	Asymmetric hydrogenation in nanoreactors with encapsulated Rh-MonoPhos catalyst. Green Chemistry, 2015, 17, 1702-1709.	9.0	15
71	Polymer@silica composites with tunable outer and inner surface properties: a platform for aqueous asymmetric transfer hydrogenation. Green Chemistry, 2015, 17, 1899-1906.	9.0	25
72	One-pot fabrication of yolkâ€“shell nanospheres with ultra-small Au nanoparticles for catalysis. Chemical Communications, 2015, 51, 3750-3753.	4.1	49

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73	Towards efficient chemical synthesis via engineering enzyme catalysis in biomimetic nanoreactors. Chemical Communications, 2015, 51, 13731-13739.	4.1	36
74	Yolkâ€“shell nanospheres with soluble amino-polystyrene as a reservoir for Pd NPs. RSC Advances, 2015, 5, 35730-35736.	3.6	8
75	Fabrication of ZnO with tunable morphology through a facile treatment of Zn-based coordination polymers. Science China Chemistry, 2015, 58, 411-416.	8.2	7
76	Preparation of Nitrogen-Doped Carbon Nanotubes with Different Morphologies from Melamine-Formaldehyde Resin. ACS Applied Materials & Interfaces, 2015, 7, 7413-7420.	8.0	89
77	Fabrication of Efficient Hydrogenation Nanoreactors by Modifying the Freedom of Ultrasmall Platinum Nanoparticles within Yolkâ€“Shell Nanospheres. Chemistry - A European Journal, 2015, 21, 10490-10496.	3.3	15
78	Zincâ€“cobalt oxides as efficient water oxidation catalysts: the promotion effect of ZnO. Journal of Materials Chemistry A, 2015, 3, 4010-4017.	10.3	58
79	Asymmetric hydrogenation by RuCl₂(R-Binap)(dmf)_n encapsulated in silica-based nanoreactors. Catalysis Science and Technology, 2015, 5, 666-672.	4.1	16
80	Highly efficient solid catalysts for asymmetric hydrogenation fabricated via facile adsorption of Rhâ€“MonoPhos on porous silicas. Catalysis Science and Technology, 2014, 4, 1012-1016.	4.1	8
81	Enhanced lithium storage capacity of Co₃O₄hexagonal nanorings derived from Co-based metal organic frameworks. Journal of Materials Chemistry A, 2014, 2, 17408-17414.	10.3	72
82	Designed synthesis of sulfonated polystyrene/mesoporous silica hollow nanospheres as efficient solid acid catalysts. Journal of Materials Chemistry A, 2014, 2, 7546-7554.	10.3	58
83	Fabrication of coreâ€“shell structured mesoporous silica nanospheres with dually oriented mesochannels through pore engineering. Journal of Materials Chemistry A, 2014, 2, 8118-8125.	10.3	30
84	Superhydrophobic mesoporous silica nanospheres achieved via a high level of organo-functionalization. Chemical Communications, 2014, 50, 10830.	4.1	26
85	CNTs@Feâ€“Nâ€“C coreâ€“shell nanostructures as active electrocatalyst for oxygen reduction. Journal of Materials Chemistry A, 2014, 2, 11768.	10.3	47
86	Facile Synthesis of Hybrid Coreâ€“Shell Nanospheres for the Asymmetric Transfer Hydrogenation of Aromatic Ketones. ChemCatChem, 2014, 6, 1368-1374.	3.7	2
87	Polystyrene sulphonic acid resins with enhanced acid strength via macromolecular self-assembly within confined nanospace. Nature Communications, 2014, 5, 3170.	12.8	114
88	Nitrogen-doped carbon nanotubes derived from Znâ€“Fe-ZIF nanospheres and their application as efficient oxygen reduction electrocatalysts with in situ generated iron species. Chemical Science, 2013, 4, 2941.	7.4	282
89	Preparation of Znâ€“Coâ€“O mixed-metal oxides nanoparticles through a facile coordination polymer based process. RSC Advances, 2013, 3, 4081.	3.6	13
90	Organo-functionalized silica hollow nanospheres: synthesis and catalytic application. Journal of Materials Chemistry A, 2013, 1, 1525-1535.	10.3	96

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91	Assembly of ZIF nanostructures around free Pt nanoparticles: efficient size-selective catalysts for hydrogenation of alkenes under mild conditions. Chemical Communications, 2013, 49, 3330.	4.1	131
92	Hydration of Epoxides on [Co^{III}(salen)] Encapsulated in Silicaâ€Based Nanoreactors. Angewandte Chemie - International Edition, 2012, 51, 11517-11521.	13.8	90
93	Promoted activity of Cr(Salen) in a nanoreactor for kinetic resolution of terminal epoxides. Chemical Science, 2012, 3, 2864.	7.4	28
94	Entrapment of metal nanoparticles within nanocages of mesoporous silicas aided by co-surfactants. Journal of Materials Chemistry, 2012, 22, 21045.	6.7	18
95	Oxygen evolution from water oxidation on molecular catalysts confined in the nanocages of mesoporous silicas. Energy and Environmental Science, 2012, 5, 8229.	30.8	58
96	Enhanced thermostability of enzymes accommodated in thermo-responsive nanopores. Chemical Science, 2012, 3, 3398.	7.4	29
97	Spinel ZnMn2O4 nanoplate assemblies fabricated via â€œescape-by-crafty-schemeâ€•strategy. Journal of Materials Chemistry, 2012, 22, 13328.	6.7	151
98	Systematic morphology and phase control of Mg-ptcda coordination polymers by Ostwald ripening and self-templating. Journal of Materials Chemistry, 2012, 22, 8470.	6.7	23
99	Amino acid assisted synthesis of mesoporous TiO2 nanocrystals for high performance dye-sensitized solar cells. Journal of Materials Chemistry, 2012, 22, 10438.	6.7	24
100	A Yolkâ€“Shell Nanoreactor with a Basic Core and an Acidic Shell for Cascade Reactions. Angewandte Chemie - International Edition, 2012, 51, 9164-9168.	13.8	277
101	Organosilane-Assisted Transformation from Coreâ€“Shell to Yolkâ€“Shell Nanocomposites. Chemistry of Materials, 2011, 23, 3676-3684.	6.7	137
102	3-D flowerlike architectures constructed by ultrathin perpendicularly aligned mesoporous nanoflakes for enhanced asymmetric catalysis. Chemical Communications, 2011, 47, 4087.	4.1	19
103	Organosilica nanotubes: large-scale synthesis and encapsulation of metal nanoparticles. Chemical Communications, 2011, 47, 8073.	4.1	59
104	Enhancement of the Performance of a Platinum Nanocatalyst Confined within Carbon Nanotubes for Asymmetric Hydrogenation. Angewandte Chemie - International Edition, 2011, 50, 4913-4917.	13.8	201
105	(R)â€(+)â€Binolâ€Functionalized Mesoporous Organosilica as a Highly Efficient Preâ€Chiral Catalyst for Asymmetric Catalysis. Chemistry - an Asian Journal, 2010, 5, 1232-1239.	3.3	48
106	Functionalized periodic mesoporous organosilicas: Hierarchical and chiral materials. Science China Chemistry, 2010, 53, 351-356.	8.2	4
107	Chirally Functionalized Hollow Nanospheres Containing <scp>L</scp>â€Prolinamide: Synthesis and Asymmetric Catalysis. Chemistry - A European Journal, 2010, 16, 7852-7858.	3.3	36
108	pH-Sensitive mesoporous zirconium diphosphonates for controllable colon-targeted delivery. Journal of Materials Chemistry, 2010, 20, 6495.	6.7	25

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109	Catalytic applications of sulfonic acid functionalized mesoporous organosilicas with different fraction of organic groups in the pore wall. Journal of Porous Materials, 2009, 16, 273-281.	2.6	13
110	Functionalized periodic mesoporous organosilicas for catalysis. Journal of Materials Chemistry, 2009, 19, 1945.	6.7	262
111	The enantioselective cyanosilylation of aldehydes on a chiral VO(Salen) complex encapsulated in SBA-16. Green Chemistry, 2009, 11, 257-264.	9.0	76
112	Chirally functionalized mesoporous organosilicas with built-in BINAP ligand for asymmetric catalysis. Journal of Materials Chemistry, 2009, 19, 8009.	6.7	61
113	The nanocomposites of SO3H-hollow-nanosphere and chiral amine for asymmetric aldol reaction. Journal of Materials Chemistry, 2009, 19, 8580.	6.7	63
114	Direct synthesis of highly ordered amine-functionalized mesoporous ethane-silicas. Microporous and Mesoporous Materials, 2008, 109, 172-183.	4.4	86
115	Asymmetric Catalysis with Metal Complexes in Nanoreactors. Chemistry - an Asian Journal, 2008, 3, 1214-1229.	3.3	79
116	Super-microporous organosilicas synthesized from well-defined nanobuilding units. Journal of Materials Chemistry, 2008, 18, 450-457.	6.7	35
117	From Hollow Nanosphere to Hollow Microsphere: Mild Buffer Provides Easy Access to Tunable Silica Structure. Journal of Physical Chemistry C, 2008, 112, 16445-16451.	3.1	43
118	Periodic Mesoporous Organosilicas with 1,4-Diethylenebenzene in the Mesoporous Wall:â€‰ Synthesis, Characterization, and Bioadsorption Properties. Journal of Physical Chemistry C, 2007, 111, 10948-10954.	3.1	65
119	Synthesis of mesoporous aluminosilicates with low Si/Al ratios using a single-source molecular precursor under acidic conditions. Journal of Porous Materials, 2006, 13, 187-193.	2.6	29
120	Mesoporous Aluminium Organophosphonates Functionalized with ChiralL-Proline Groups in the Pore. European Journal of Inorganic Chemistry, 2006, 2006, 1936-1939.	2.0	23
121	Mesoporous Ethaneâ"Silicas Functionalized with trans-(1R,2R)-Diaminocyclohexane as Heterogeneous Chiral Catalysts. Chemistry of Materials, 2005, 17, 6154-6160.	6.7	67
122	Highly ordered periodic mesoporous ethanesilica synthesized under neutral conditions. Journal of Materials Chemistry, 2005, 15, 2562.	6.7	53
123	Aluminium-containing mesoporous benzene-silicas with crystal-like pore wall structure. Journal of Materials Chemistry, 2005, 15, 4268.	6.7	17
124	Direct Synthesis of Alâ"SBA-15 Mesoporous Materials via Hydrolysis-Controlled Approach. Journal of Physical Chemistry B, 2004, 108, 9739-9744.	2.6	236
125	Algebraic approach to stretching vibrational spectrum of H2S. Science Bulletin, 1999, 44, 1961-1964.	1.7	7