Jian-yong Zhang

List of Publications by Year
in descending order

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		76196	48187
129	8,075	40	88
papers	citations	h-index	g-index

133	133	133	9879
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Applications of metalâ€“organic frameworks in heterogeneous supramolecular catalysis. Chemical Society Reviews, 2014, 43, 6011-6061.	18.7	2,540
2	The application of ZIF-67 and its derivatives: adsorption, separation, electrochemistry and catalysts. Journal of Materials Chemistry A, 2018, 6, 1887-1899.	5.2	452
3	A synthetic route to ultralight hierarchically micro/mesoporous Al(III)-carboxylate metal-organic aerogels. Nature Communications, 2013, 4, 1774.	5.8	310
4	Metal-organic gels: From discrete metallogelators to coordination polymers. Coordination Chemistry Reviews, 2013, 257, 1373-1408.	9.5	297
5	Piezofluorochromic Properties and Mechanism of an Aggregation-Induced Emission Enhancement Compound Containing N-Hexyl-phenothiazine and Anthracene Moieties. Journal of Physical Chemistry B, 2011, 115, 7606-7611.	1.2	259
6	Bright Blueâ€Emitting Ce³⁺ Complexes with Encapsulating Polybenzimidazole Tripodal Ligands as Potential Electroluminescent Devices. Angewandte Chemie - International Edition, 2007, 46, 7399-7403.	7.2	176
7	Piezofluorochromic and Aggregationâ€Inducedâ€Emission Compounds Containing Triphenylethylene and Tetraphenylethylene Moieties. Chemistry - an Asian Journal, 2011, 6, 1470-1478.	1.7	150
8	A Multistimuliâ€Responsive Photochromic Metalâ€Organic Gel. Advanced Materials, 2014, 26, 2072-2077.	11.1	135
9	Evolution of Spherical Assemblies to Fibrous Networked Pd(II) Metallogels from a Pyridine-Based Tripodal Ligand and Their Catalytic Property. Chemistry of Materials, 2009, 21, 557-563.	3.2	133
10	Mesoporous Metalâ€“Organic Frameworks: Synthetic Strategies and Emerging Applications. Small, 2018, 14, e1801454.	5.2	133
11	Coordination Assemblies of Metallacyclic, Prismatic and Tubular Molecular Architectures Based on the Nonâ€rigid Ligands. European Journal of Inorganic Chemistry, 2007, 2007, 2997-3010.	1.0	113
12	Nanotubular Metalâ€'Organic Frameworks with High Porosity Based on T-Shaped Pyridyl Dicarboxylate Ligands. Inorganic Chemistry, 2011, 50, 1743-1748.	1.9	104
13	Emerging porous materials in confined spaces: from chromatographic applications to flow chemistry. Chemical Society Reviews, 2019, 48, 2566-2595.	18.7	103
14	Piezofluorochromism and morphology of a new aggregation-induced emission compound derived from tetraphenylethylene and carbazole. New Journal of Chemistry, 2012, 36, 685-693.	1.4	100
15	Metalâ€“organic gels as functionalisable supports for catalysis. New Journal of Chemistry, 2009, 33, 1070.	1.4	87
16	Porous organicâ€“inorganic hybrid aerogels based on Cr³⁺/Fe³⁺and rigid bridging carboxylates. Journal of Materials Chemistry, 2012, 22, 1862-1867.	6.7	87
17	Silver Telluride Nanotubes Prepared by the Hydrothermal Method. Inorganic Chemistry, 2007, 46, 7403-7409.	1.9	84
18	Zero to Three Dimensional Increase of Silver(I) Coordination Assemblies Controlled by Deprotonation of 1,3,5-Tri(2-benzimidazolyl)benzene and Aggregation of Multinuclear Building Units. Inorganic Chemistry, 2007, 46, 4617-4625.	1.9	83

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19	Tricarbonylrhenium(I) complexes of phosphine-derivatized amines, amino acids and a model peptide: structures, solution behavior and cytotoxicity. Journal of Organometallic Chemistry, 2002, 650, 123-132.	0.8	78
20	Assembly of CdI2-type coordination networks from triangular ligand and octahedral metal center: topological analysis and potential framework porosity. Chemical Communications, 2008, , 356-358.	2.2	78
21	Dynamic functionalised metallogel: An approach to immobilised catalysis with improved activity. Journal of Molecular Catalysis A, 2010, 317, 97-103.	4.8	74
22	Temperatureâ€Dependent Guestâ€Driven Singleâ€Crystalâ€toâ€Singleâ€Crystal Ligand Exchange in a Twoâ€Fold Interpenetrated Cd^{II} Grid Network. Chemistry - A European Journal, 2009, 15, 7578-7585.	1.7	73
23	A new TPE-based tetrapodal ligand and its Ln(<scp>iii</scp>) complexes: multi-stimuli responsive AIE (aggregation-induced emission)/ILCT(intraligand charge transfer)-bifunctional photoluminescence and NIR emission sensitization. Dalton Transactions, 2016, 45, 943-950.	1.6	67
24	Anion-tuned sorption and catalytic properties of a soft metalâ€“organic solid with polycatenated frameworks. Journal of Materials Chemistry, 2011, 21, 7098.	6.7	66
25	The photo-, electro- and photoelectro-catalytic properties and application prospects of porous coordinate polymers. Journal of Materials Chemistry A, 2018, 6, 6130-6154.	5.2	66
26	Magnetite Nanoparticle-Supported Coordination Polymer Nanofibers: Synthesis and Catalytic Application in Suzuki-Miyaura Coupling. ACS Applied Materials & Interfaces, 2010, 2, 2333-2338.	4.0	63
27	Three-Dimensional Phosphine Metalâ€“Organic Frameworks Assembled from Cu(I) and Pyridyl Diphosphine. Chemistry of Materials, 2012, 24, 480-485.	3.2	63
28	Creating Coordinationâ€Based Cavities in a Multiresponsive Supramolecular Gel. Chemistry - A European Journal, 2015, 21, 7418-7427.	1.7	57
29	A dynamic covalent imine gel as a luminescent sensor. Chemical Communications, 2014, 50, 11942-11945.	2.2	56
30	Highly porous aerogels based on imine chemistry: syntheses and sorption properties. Journal of Materials Chemistry A, 2015, 3, 10990-10998.	5.2	56
31	Metalâ€“Organic Gel Material Based on UiOâ€66â€NH₂ Nanoparticles for Improved Adsorption and Conversion of Carbon Dioxide. Chemistry - an Asian Journal, 2016, 11, 2278-2283.	1.7	56
32	Guest Inclusion and Interpenetration Tuning of Cd(II)/Mn(II) Coordination Grid Networks Assembled from a Rigid Linear Diimidazole Schiff Base Ligand. Inorganic Chemistry, 2009, 48, 287-295.	1.9	54
33	Syntheses, structures and bioactivities of silver(I) complexes with a tridentate heterocyclic N- and S-ligand. Polyhedron, 2009, 28, 145-149.	1.0	51
34	Ring-Opening Isomerization Based on the 3-Connecting Node: Formation of a 0-D M₂L₃ Cage, 1-D Loop-and-Chain, and 2-D (6, 3) Network. Crystal Growth and Design, 2010, 10, 4076-4084.	1.4	51
35	Axially chiral metalâ€“organic frameworks produced from spontaneous resolution with an achiral pyridyl dicarboxylate ligand. CrystEngComm, 2012, 14, 63-66.	1.3	51
36	Applications of Porous Metalâ€“Organic Framework MIL-100(M) (M = Cr, Fe, Sc, Al, V). Crystal Growth and Design, 2018, 18, 7730-7744.	1.4	51

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37	A catalytic chiral gel microfluidic reactor assembled via dynamic covalent chemistry. Chemical Science, 2015, 6, 2292-2296.	3.7	47
38	A novel metalâ€“organic gel based electrolyte for efficient quasi-solid-state dye-sensitized solar cells. Journal of Materials Chemistry A, 2014, 2, 15406.	5.2	45
39	From Zeolitic Imidazolate Frameworkâ€8 to Metalâ€Organic Frameworks (<scp>MOF</scp>s): Representative Substance for the General Study of Pioneering <scp>MOF</scp> Applications. Energy and Environmental Materials, 2018, 1, 209-220.	7.3	45
40	Polar Self-Assembly: Steric Effects Leading to Polar Mixed-Ligand Coordination Cages. Chemistry - A European Journal, 2006, 12, 2448-2453.	1.7	42
41	Facile synthesis of rGO@In2S3@UiO-66 ternary composite with enhanced visible-light photodegradation activity for methyl orange. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 384, 112025.	2.0	42
42	A tetraphenylethylene-based acylhydrazone gel for selective luminescence sensing. Chemical Communications, 2018, 54, 3045-3048.	2.2	41
43	Gold nanoparticles confined in imidazolium-based porous organic polymers to assemble a microfluidic reactor: controllable growth and enhanced catalytic activity. Journal of Materials Chemistry A, 2018, 6, 2115-2121.	5.2	37
44	Luminescent metalâ€“organic gels with tetraphenylethylene moieties: porosity and aggregation-induced emission. RSC Advances, 2013, 3, 16340.	1.7	36
45	Porphyrin-based imine gels for enhanced visible-light photocatalytic hydrogen production. Journal of Materials Chemistry A, 2018, 6, 3195-3201.	5.2	36
46	Solution state coordination polymers featuring wormlike macroscopic structures and cageâ€“polymer interconversions. Chemical Communications, 2006, , 4218-4220.	2.2	35
47	Two-Dimensional Charge-Separated Metalâ€“Organic Framework for Hysteretic and Modulated Sorption. Inorganic Chemistry, 2013, 52, 4198-4204.	1.9	35
48	A luminescent silverâ€“phosphine tetragonal cage based on tetraphenylethylene. Dalton Transactions, 2016, 45, 1668-1673.	1.6	33
49	Dynamic covalent gels assembled from small molecules: from discrete gelators to dynamic covalent polymers. Chinese Chemical Letters, 2017, 28, 168-183.	4.8	33
50	Efficient Removal of Copper Ion from Wastewater Using a Stable Chitosan Gel Material. Molecules, 2019, 24, 4205.	1.7	33
51	Synthesis, characterization and molecular structures of Cu(II) and Ba(II) fluorinated carboxylate complexes. Polyhedron, 2005, 24, 1185-1195.	1.0	32
52	The Interplay between Yttrium and Barium or Copper Trifluoroacetates andN-Methyldiethanolamine: Synthesis of a Heterometallic Y3Cu Trifluoroacetate Complex and a Homometallic Ba-TFA 1D Polymer. European Journal of Inorganic Chemistry, 2007, 2007, 602-608.	1.0	31
53	Supramolecular gels in crystal engineering. CrystEngComm, 2015, 17, 7976-7977.	1.3	31
54	Interplay between aminoalcohols and trifluoroacetate ligands: Baâ€“Cu heterometallics or cocrystallization of homometallics?. Inorganic Chemistry Communication, 2004, 7, 979-984.	1.8	30

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55	Metalâ€“organic aerogels based on dinuclear rhodium paddle-wheel units: design, synthesis and catalysis. Inorganic Chemistry Frontiers, 2016, 3, 702-710.	3.0	30
56	Discrete Ag6L6 coordination nanotubular structures based on a T-shaped pyridyl diphosphine. Chemical Communications, 2011, 47, 3849.	2.2	29
57	Tetraphenylethylene-based phosphine: tuneable emission and carbon dioxide fixation. Dalton Transactions, 2014, 43, 15785-15790.	1.6	29
58	Formation of Disilver(I) Metallacycle and One-Dimensional Polymeric Chain from the Same Mononuclear Building Block: Assembly Mechanism upon Crystallization. Crystal Growth and Design, 2008, 8, 897-905.	1.4	28
59	Continuous flow synthesis of porous materials. Chinese Chemical Letters, 2020, 31, 1448-1461.	4.8	28
60	Impregnation of metal ions into porphyrin-based imine gels to modulate guest uptake and to assemble a catalytic microfluidic reactor. Journal of Materials Chemistry A, 2016, 4, 8328-8336.	5.2	26
61	Reactions of Doubly Bridged Bis(cyclopentadienes) with Iron Pentacarbonyl. Organometallics, 2003, 22, 5543-5555.	1.1	25
62	A discrete dimer of coordination clusters connected through additional bridging ligands. Chemical Communications, 2004, , 2808.	2.2	25
63	One-dimensional silver(I) and mercury(II) complexes with 1,4-bis(1-benzyl-benzimidazol-2-yl)cyclohexane (N-BBzBimCH). Inorganica Chimica Acta, 2007, 360, 2990-2996.	1.2	25
64	Heterometallic Coordination Polymer Gels Based on a Rigid, Bifunctional Ligand. Chemistry - A European Journal, 2011, 17, 2369-2372.	1.7	25
65	Guest uptake and heterogeneous catalysis of a porous Pd(II) N -heterocyclic carbene polymer. Journal of Molecular Catalysis A, 2014, 394, 33-39.	4.8	25
66	Luminescent coordination polymer gels based on rigid terpyridyl phosphine and Ag(i). Dalton Transactions, 2012, 41, 3616.	1.6	24
67	Guestâ€inclusion Behavior of Doubleâ€Strand 1D Coordination Polymers Based on N,Nâ€²â€Type Schiff Base Ligands. European Journal of Inorganic Chemistry, 2008, 2008, 1702-1711.	1.0	22
68	Syntheses, structures and bioactivities of cadmium(II) complexes with a tridentate heterocyclic N- and S-ligand. Inorganica Chimica Acta, 2009, 362, 3519-3525.	1.2	22
69	Pd2L2 metallacycles as molecular containers for small molecules. Dalton Transactions, 2010, 39, 11171.	1.6	22
70	Porous organicâ€“inorganic hybrid aerogels based on bridging acetylacetonate. Microporous and Mesoporous Materials, 2014, 187, 108-113.	2.2	21
71	Self-sorting multimetalâ€“organic gel electrocatalysts for a highly efficient oxygen evolution reaction. Journal of Materials Chemistry A, 2021, 9, 17451-17458.	5.2	21
72	Assembly of 1D meso coordination polymer from a chiral mononuclear complex by N-deprotonation of the tris(2-benzimidazolyl) ligand. Inorganica Chimica Acta, 2008, 361, 2934-2940.	1.2	19

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73	A 2D Ag(I) layered coordination polymer based on pyridyl diphosphine: structure and selective sorption properties via weak Câ€“Hâ‹¯F/O interactions. CrystEngComm, 2010, 12, 725-729.	1.3	19
74	Perylene Diimide Based Imine Cages for Inclusion of Aromatic Guest Molecules and Visibleâ€Light Photocatalysis. ChemPhotoChem, 2019, 3, 1014-1019.	1.5	19
75	Synthesis, Characterization and Molecular Structures of Yttrium Trifluoroacetate Complexes with O- and N-Donors: Complexation vs. Hydrolysis. European Journal of Inorganic Chemistry, 2005, 2005, 3928-3935.	1.0	18
76	Trace-doped metalâ€“organic gels with remarkably enhanced luminescence. RSC Advances, 2017, 7, 37194-37199.	1.7	18
77	A nanocomposite gel based on 1D coordination polymers and nanoclusters reversibly gelate water upon heating. RSC Advances, 2012, 2, 12718.	1.7	17
78	Structures and luminescent properties of Tb(III) and Tb(III)â€“Ni(II) coordination polymers based on pyridyl dicarboxylate. Inorganica Chimica Acta, 2012, 388, 16-21.	1.2	17
79	Hierarchical Gelation of a Pd12L24 Metalâ€“Organic Cage Regulated by Cholesteryl Groups. Inorganic Chemistry, 2019, 58, 10019-10027.	1.9	17
80	Gelation of Luminescent Supramolecular Cages and Transformation to Crystals with Trace-Doped-Enhancement Luminescence. Langmuir, 2016, 32, 12184-12189.	1.6	15
81	Transforming HKUSTâ€1 Metalâ€“Organic Frameworks into Gels â€“ Stimuliâ€Responsiveness and Morphology Evolution. European Journal of Inorganic Chemistry, 2017, 2017, 2580-2584.	1.0	15
82	Zirconium-based metalâ€“organic framework gels for selective luminescence sensing. RSC Advances, 2020, 10, 44912-44919.	1.7	15
83	Gel Chemistry. Lecture Notes in Quantum Chemistry II, 2018, , .	0.3	14
84	Effect of Coordinating Solvents on Solution Speciation and the Crystallisation via ROP of a Triphos-Silver Coordination Cage. Journal of Inorganic and Organometallic Polymers and Materials, 2005, 15, 431-437.	1.9	13
85	Solvent-free synthesis of a Pd(II) coordination networked complex as reusable catalyst based on 3,5-bis(diphenylphosphino)benzoic acid. Inorganica Chimica Acta, 2009, 362, 3513-3518.	1.2	13
86	A scenario for high accuracy Ï„ mass measurement at BEPC-II. Chinese Physics C, 2012, 36, 573-577.	1.5	13
87	Covalently Modified Electrode with Pt Nanoparticles Encapsulated in Porous Organic Polymer for Efficient Electrocatalysis. ACS Applied Nano Materials, 2018, 1, 6477-6482.	2.4	13
88	Post-modified porphyrin imine gels with improved chemical stability and efficient heterogeneous activity in CO₂ transformation. New Journal of Chemistry, 2019, 43, 10017-10024.	1.4	13
89	UiO-67 metalâ€“organic gel material deposited on photonic crystal matrix for photoelectrocatalytic hydrogen production. RSC Advances, 2020, 10, 14778-14784.	1.7	13
90	Phytic Acidâ€Based FeCo Bimetallic Metalâ€Organic Gels for Electrocatalytic Oxygen Evolution Reaction. Chemistry - an Asian Journal, 2021, 16, 3213-3220.	1.7	13

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91	Incorporation of Functional Groups Expands the Applications of UiOâ€67 for Adsorption, Catalysis and Thiols Detection. ChemistrySelect, 2018, 3, 7066-7080.	0.7	12
92	Electrochemical Activation of Heterometallic Nanofibers for Hydrogen Evolution. ACS Applied Nano Materials, 2020, 3, 2393-2401.	2.4	12
93	Imine Gels Based on Ferrocene and Porphyrin and Their Electrocatalytic Property. Chemistry - an Asian Journal, 2020, 15, 1963-1969.	1.7	12
94	Selfâ€Foaming Metalâ€Organic Gels Based on Phytic Acid and Their Mechanical, Moldable, and Loadâ€Bearing Properties.. Chemistry - A European Journal, 2021, 27, 8791-8798.	1.7	12
95	Imidazolium-functionalized stable gel materials for efficient adsorption of phenols from aqueous solutions. Environmental Technology and Innovation, 2020, 17, 100511.	3.0	11
96	Synthesis and structures of doubly bridged bis(cyclopentadienyl) tetracarbonyl diiron complexes. Journal of Organometallic Chemistry, 2001, 626, 186-191.	0.8	10
97	Platinum nanoparticles confined in imidazolium-based ionic polymer for assembling a microfluidic reactor with enhanced catalytic activity. Applied Catalysis A: General, 2019, 585, 117186.	2.2	10
98	Effective adsorption of arsenate, dyes and eugenol from aqueous solutions by cationic supramolecular gel materials. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 616, 126238.	2.3	10
99	Framework disorder and its effect on selective hysteretic sorption of a T-shaped azole-based metalâ€“organic framework. IUCrJ, 2019, 6, 85-95.	1.0	10
100	A two-dimensional flexible porous coordination polymer based on Co(<scp>ii</scp>) and terpyridyl phosphine oxide. Inorganic Chemistry Frontiers, 2015, 2, 388-394.	3.0	9
101	Upgrade of beam energy measurement system at BEPC-II. Chinese Physics C, 2016, 40, 076001.	1.5	8
102	Title is missing!. Transition Metal Chemistry, 2002, 27, 58-61.	0.7	7
103	Syntheses and Crystal Structures of Linear and Zigâ€zag 1D Coordination Polymers with Schiffâ€base N,Nâ€²â€Type Ligands. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 2463-2469.	0.6	6
104	Study of radiation background at the north crossing point of the BEPC II in collision mode. Chinese Physics C, 2011, 35, 642-655.	1.5	6
105	Coordinationâ€Driven Terpyridyl Phosphine Pd(II) Gels. Chinese Journal of Chemistry, 2015, 33, 141-146.	2.6	6
106	Ultra-high-frequency microwave response from flexible transparent Au electromagnetic metamaterial nanopatterned antenna. Nanotechnology, 2018, 29, 06LT01.	1.3	6
107	Zrâ€Based Metalâ€Organic Framework Films Grown on Bioâ€Template for Photoelectrocatalysis. ChemistrySelect, 2020, 5, 13855-13861.	0.7	6
108	Stabilized nanotube and nanofiber gel materials toward multifunctional adsorption. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 628, 127347.	2.3	6

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109	Surface modification of supramolecular nanotubes and selective guest capture. New Journal of Chemistry, 2014, 38, 3755-3761.	1.4	5
110	The circular electronâ€“positron collider beam energy measurement with Compton scattering and beam tracking method. Review of Scientific Instruments, 2020, 91, 033109.	0.6	5
111	Synthesis of a Stable Benzoxazole Gel from an Imine Gel for Adsorption and Catalysis. Langmuir, 2021, 37, 5531-5539.	1.6	5
112	A spirobifluorene-based water-soluble imidazolium polymer for luminescence sensing. New Journal of Chemistry, 2021, 45, 13021-13028.	1.4	5
113	Metalâ€“Organic Gels. Lecture Notes in Quantum Chemistry II, 2018, , 61-118.	0.3	4
114	Pillararene for fluorescence detection of n-alkane vapours. Materials Chemistry Frontiers, 2021, 5, 7910-7920.	3.2	4
115	Supported Metal Nanoparticles in Metalâ€Organic Monoliths for Assembly of a Catalytic Microfluidic Reactor. ChemNanoMat, 2021, 7, 334-340.	1.5	4
116	Confinement of a Auâ€“N-heterocyclic carbene in a Pd₆L₁₂ metalâ€“organic cage. RSC Advances, 2020, 10, 39323-39327.	1.7	4
117	Measurement of the ripple of magnet power supply and its effect to the beam energy. Radiation Detection Technology and Methods, 2017, 1, 1.	0.4	3
118	On Two Cryogenic Systems of High Purity Germanium Detector. Detection, 2013, 01, 13-20.	0.2	3
119	Effects due to a Pu-C source on a HPGe detector and the corresponding neutron shielding. Chinese Physics C, 2011, 35, 660-667.	1.5	2
120	Dynamic Covalent Gels. Lecture Notes in Quantum Chemistry II, 2018, , 119-151.	0.3	2
121	Stability, Stimuliâ€Responsiveness, and Versatile Sorption Properties of a Dynamic Covalent Acylhydrazone Gel. Global Challenges, 2019, 3, 1800073.	1.8	2
122	High energy beam energy measurement with microwaveâ€“electron Compton backscattering. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1026, 166216.	0.7	2
123	A Microporous 1D Heterometallic Coordination Polymer Based on Phosphineâ€“Ag5Cl4 Saddle Unit. Journal of Inorganic and Organometallic Polymers and Materials, 2012, 22, 686-691.	1.9	1
124	Annealing restoration of HPGe detector. Radiation Detection Technology and Methods, 2020, 4, 106-109.	0.4	1
125	$Ï„$ lepton mass measurement at BESIII. , 2019, , .		1
126	Frontispiece: Creating Coordination-Based Cavities in a Multiresponsive Supramolecular Gel. Chemistry - A European Journal, 2015, 21, n/a-n/a.	1.7	0

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127	Polymer Gels. Lecture Notes in Quantum Chemistry II, 2018, , 153-189.	0.3	0
128	Porous gel materials assembled from small molecules. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C1332-C1332.	0.0	0
129	Ï„, Physics at BESIII. , 2020, , .		0