

# Bing Bian

## List of Publications by Year in descending order

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32  
papers

514  
citations

858243

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759306

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Glucose-sensitive colorimetric sensor based on peroxidase mimics activity of porphyrin-Fe <sub>3</sub> O <sub>4</sub> nanocomposites. <i>Materials Science and Engineering C</i> , 2014, 41, 142-151.	3.8	81
2	Higher catalytic activity of porphyrin functionalized Co <sub>3</sub> O <sub>4</sub> nanostructures for visual and colorimetric detection of H <sub>2</sub> O <sub>2</sub> and glucose. <i>Materials Science and Engineering C</i> , 2014, 43, 321-329.	3.8	48
3	Specific recognition of formaldehyde by a cucurbit[10]uril-based porous supramolecular assembly incorporating adsorbed 1,8-diaminonaphthalene. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1597-1603.	2.7	39
4	Effects of preparation method and Sm <sub>2</sub> O <sub>3</sub> promoter on CO methanation by a mesoporous NiO@Sm <sub>2</sub> O <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> catalyst. <i>New Journal of Chemistry</i> , 2018, 42, 13096-13106.	1.4	38
5	Peroxidase mimetic activity of porphyrin modified ZnFe <sub>2</sub> O <sub>4</sub> /reduced graphene oxide and its application for colorimetric detection of H <sub>2</sub> O <sub>2</sub> and glutathione. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 567-575.	2.5	36
6	Rapid colorimetric determination of dopamine based on the inhibition of the peroxidase mimicking activity of platinum loaded CoSn(OH) <sub>6</sub> nanocubes. <i>Mikrochimica Acta</i> , 2019, 186, 755.	2.5	29
7	Hydrogenation of Phenol to Cyclohexanone over Bifunctional Pd/C-Heteropoly Acid Catalyst in the Liquid Phase. <i>Catalysis Letters</i> , 2019, 149, 2383-2389.	1.4	22
8	A Study of the Interaction Between Cucurbit[8]uril and Alkyl-Substituted 4-Pyrrolidinopyridinium Salts. <i>Chemistry - an Asian Journal</i> , 2019, 14, 235-242.	1.7	20
9	Selective recognition and determination of phenylalanine by a fluorescent probe based on cucurbit[8]uril and palmatine. <i>Analytica Chimica Acta</i> , 2020, 1104, 164-171.	2.6	18
10	Enhanced peroxidase-like activity of porphyrin functionalized ZnFe <sub>2</sub> O <sub>4</sub> hollow nanospheres for rapid detection of H <sub>2</sub> O <sub>2</sub> and glucose. <i>New Journal of Chemistry</i> , 2018, 42, 18189-18200.	1.4	15
11	Supramolecular Fluorescence Probe Based on Twisted Cucurbit[14]uril for Sensing Fungicide Flusilazole. <i>Frontiers in Chemistry</i> , 2019, 7, 154.	1.8	15
12	Effects of In-Process Hydrogenation on Mesophase Development during the Thermal Condensation of Petroleum Aromatic-Rich Fraction. <i>Energy &amp; Fuels</i> , 2018, 32, 5659-5663.	2.5	13
13	Pt and ZnFe <sub>2</sub> O <sub>4</sub> Nanoparticles Immobilized on Carbon for the Detection of Glutathione. <i>ACS Applied Nano Materials</i> , 2021, 4, 9479-9488.	2.4	13
14	A MoO <sub>x</sub> -doped Ni/3D-SBA-15 catalyst for CO methanation: the effect of a solvent and a MoO <sub>x</sub> promoter on the catalytic properties. <i>Sustainable Energy and Fuels</i> , 2020, 4, 3042-3050.	2.5	12
15	A stimuli-responsive supramolecular assembly between inverted cucurbit[7]uril and hemicyanine dye. <i>New Journal of Chemistry</i> , 2018, 42, 15420-15426.	1.4	11
16	Enhanced catalytic performance of CO methanation over VO <sub>x</sub> assisted Ni/MCF catalyst. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2396-2403.	2.5	11
17	Controlled Encapsulation and Release of an Organic Guest in the Cavity of 1,1'-[2,2'-bis(4-tert-butylphenyl)ethane]bis(4-pyridyl)tetramethylcucurbit[6]uril. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 1503-1507.	1.2	10
18	Organic Additive Assisted Ordered Mesoporous Ni/Al <sub>2</sub> O <sub>3</sub> Catalyst for CO <sub>2</sub> Methanation. <i>ChemistrySelect</i> , 2020, 5, 4913-4919.	0.7	10

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19	Supramolecular drug inclusion complex constructed from cucurbit[7]uril and the hepatitis B drug Adefovir. <i>Supramolecular Chemistry</i> , 2019, 31, 260-267.	1.5	9
20	A fluorescent probe based on cucurbit[7]uril for the selective recognition of phenylalanine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 233, 118177.	2.0	9
21	MoO <sub>x</sub> Doped Ordered Mesoporous Ni/Al <sub>2</sub> O <sub>3</sub> Catalyst for CO Methanation. <i>Energy Technology</i> , 2020, 8, 2000165.	1.8	8
22	High-Yield and High-Efficiency Conversion of HMF to Levulinic Acid in a Green and Facile Catalytic Process by a Dual-Function Brønsted-Lewis Acid HScCl <sub>4</sub> Catalyst. <i>ACS Omega</i> , 2021, 6, 15940-15947.	1.6	8
23	Alkyl substituted 4-pyrrolidinopyridinium salts encapsulated in the cavity of cucurbit[10]uril. <i>New Journal of Chemistry</i> , 2019, 43, 7028-7034.	1.4	7
24	Supramolecular assemblies controlled by cucurbit[ <i>n</i> ]uril size ( <i>n</i> = 6, 7, 8 and 10). <i>New Journal of Chemistry</i> , 2020, 44, 4311-4318.	1.4	6
25	Supramolecular self-assemblies of inverted cucurbit[7]uril with biogenic amines. <i>New Journal of Chemistry</i> , 2019, 43, 407-412.	1.4	5
26	A hemicyanine and cucurbit[ <i>n</i> ]uril inclusion complex: competitive guest binding of cucurbit[7]uril and cucurbit[8]uril. <i>Supramolecular Chemistry</i> , 2019, 31, 457-465.	1.5	5
27	One-Pot Synthesis of Anthraquinone Catalyzed by Microwave Acetic Acid Modified Hf <sup>2+</sup> Zeolite. <i>Catalysis Letters</i> , 2020, 150, 3007-3016.	1.4	5
28	A Study of the Interaction between Cucurbit[7]uril and Alkyl Substituted 4-Pyrrolidinopyridinium Salts. <i>Chemistry</i> , 2020, 2, 262-273.	0.9	4
29	Interaction of pesticide pyroquilon with two different cucurbit[ <i>n</i> ]uril. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2019, 95, 207-213.	0.9	2
30	Study of the host-guest interaction between N,N'-bis[4-(dimethylaminophenyl)methyl]butane-1,4-diamine and the cucurbit[ <i>n</i> ]urils ( <i>n</i> = 6, 7). <i>New Journal of Chemistry</i> , 2019, 43, 14938-14943.	1.4	2
31	WO <sub>x</sub> Modified Ni Catalyst Supported on Mesoporous Silica with Extra Large Mesopores for CO Methanation. <i>Energy Technology</i> , 2020, 8, 2000097.	1.8	2
32	Pseudorotaxanes Constructed from Cucurbit uril and Linear Bispyridinium Ethylene Derivatives. <i>ChemistrySelect</i> , 2019, 4, 12891-12896.	0.7	1