

Weitao Gong

List of Publications by Year in descending order

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51
papers

1,244
citations

430874

18
h-index

377865

34
g-index

52
all docs

52
docs citations

52
times ranked

1607
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodegradable and electroconductive poly(3,4-ethylenedioxythiophene)/carboxymethyl chitosan hydrogels for neural tissue engineering. <i>Materials Science and Engineering C</i> , 2018, 84, 32-43.	7.3	94
2	Supramolecular Kandinsky circles with high antibacterial activity. <i>Nature Communications</i> , 2018, 9, 1815.	12.8	88
3	Supramolecularly Poly(amidoxime)-Loaded Macroporous Resin for Fast Uranium Recovery from Seawater and Uranium-Containing Wastewater. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3246-3258.	8.0	85
4	Preparation, characterization and antioxidant activity of protocatechuic acid grafted carboxymethyl chitosan and its hydrogel. <i>Carbohydrate Polymers</i> , 2021, 252, 117210.	10.2	82
5	A new single-phase white-light-emitting $\text{CaWO}_4:\text{Dy}^{3+}$ phosphor: synthesis, luminescence and energy transfer. <i>RSC Advances</i> , 2015, 5, 62527-62533.	3.6	77
6	A fluorescent zinc-pyromate coordination polymer for highly selective sensing of 2,4,6-trinitrophenol and Cu^{2+} ion. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 566-573.	7.8	73
7	Tunable white-light emission via energy transfer in single-phase $\text{LiGd}(\text{WO}_4)_2:\text{Re}^{3+}$ (Re = Tm, Tb, Dy, Eu) phosphors for UV-excited WLEDs. <i>RSC Advances</i> , 2015, 5, 96272-96280.	3.6	71
8	Novel red-emitting $\text{LiGd}(\text{WO}_4)_2:\text{Eu}^{3+}$ phosphor with high thermal stability and high color purity for application in white light-emitting diodes. <i>New Journal of Chemistry</i> , 2016, 40, 10136-10143.	2.8	59
9	Multi-color luminescence properties and energy transfer behaviour in host-sensitized $\text{CaWO}_4:\text{Tb}^{3+}, \text{Eu}^{3+}$ phosphors. <i>RSC Advances</i> , 2016, 6, 30886-30894.	3.6	59
10	Auxiliary ligand-directed synthesis of cadmium(II) and zinc(II) complexes from 1-D chains to 3-D architectures with 5-nitroisophthalate. <i>CrystEngComm</i> , 2012, 14, 1337-1344.	2.6	39
11	A pillar[5]arene-based covalent organic framework with pre-encoded selective host-guest recognition. <i>Chemical Science</i> , 2021, 12, 13316-13320.	7.4	32
12	Synthesis and properties of aggregation-induced emission enhancement compounds derived from triaryl cyclopentadiene. <i>RSC Advances</i> , 2012, 2, 11529.	3.6	31
13	Pillar[5]arene-Derived Microporous Polyaminal Networks with Enhanced Uptake Performance for CO_2 and Iodine. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 3269-3278.	3.7	29
14	Rational design of a reusable chemodosimeter for the selective detection of Hg^{2+} . <i>Journal of Materials Chemistry A</i> , 2013, 1, 5501.	10.3	26
15	Configuration-independent AIE-active supramolecular polymers of cyanostilbene through the photo-stable host-guest interaction of pillar[5]arene. <i>Polymer Chemistry</i> , 2017, 8, 5295-5302.	3.9	26
16	Aggregation-Induced Emission (AIE) Fluorophore Exhibits a Highly Ratiometric Fluorescent Response to Zn^{2+} in vitro and in Human Liver Cancer Cells. <i>Chemistry - A European Journal</i> , 2017, 23, 13067-13075.	3.3	23
17	Fluorescent Cross-Linked Supramolecular Polymer Constructed by Orthogonal Self-Assembly of Metal-Ligand Coordination and Host-Guest Interaction. <i>Chemistry - A European Journal</i> , 2016, 22, 6881-6890.	3.3	21
18	Selective sensing of H_2PO_4^- (Pi) driven by the assembly of anthryl pyridinium ligands. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7578.	2.8	20

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19	An anthracene extended viologen-incorporated ionic porous organic polymer for efficient aerobic photocatalysis and antibacterial activity. <i>Chemical Communications</i> , 2021, 57, 3339-3342.	4.1	19
20	A Facile Oxidation and Oxygen Insertion of the Cyclopentadiene Ring by Molecular Oxygen in Solution. <i>Journal of Organic Chemistry</i> , 2005, 70, 5768-5770.	3.2	18
21	NiO hierarchical structure: template-engaged synthesis and adsorption property. <i>RSC Advances</i> , 2012, 2, 10217.	3.6	18
22	A boranil-based conjugated microporous polymer for efficient visible-light-driven heterogeneous photocatalysis. <i>Polymer Chemistry</i> , 2021, 12, 3153-3159.	3.9	17
23	β -Diketone boron difluoride dye-functionalized conjugated microporous polymers for efficient aerobic oxidative photocatalysis. <i>Catalysis Science and Technology</i> , 2021, 11, 3905-3913.	4.1	17
24	Fluorescent cross-linked supramolecular polymers constructed from a novel self-complementary AABB-type heteromultitopic monomer. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4039-4045.	2.8	16
25	Supramolecular gel from self-assembly of a C ₃ -symmetrical discotic molecular bearing pillar[5]arene. <i>Soft Matter</i> , 2017, 13, 4074-4079.	2.7	15
26	Rational design of multistimuli responsive organogels by alternation of hydrogen-bonding and amphiphilic properties. <i>RSC Advances</i> , 2012, 2, 809-811.	3.6	14
27	Selective "naked-eye" sensing of acetate ion based on conformational flexible amide-pyridinium receptor. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2012, 72, 481-486.	1.6	14
28	Preassembly-driven ratiometric sensing of H ₂ PO ₄ [−] anions in organic and aqueous environments. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1979-1982.	2.8	12
29	Guest induced morphology transitions of star shaped pillar[5]arene trimer via endo host-guest and "exo-wall" electron-transfer interactions. <i>Chinese Chemical Letters</i> , 2021, 32, 371-374.	9.0	12
30	Two bent-shaped β -organogelators: synthesis, fluorescence, self-assembly and detection of volatile acid vapours in gel films and in gel "gel states. <i>Soft Matter</i> , 2015, 11, 9179-9187.	2.7	11
31	Construction of Pillar[5]arene Tetramer-Based Cross-Linked Supramolecular Polymers through Hierarchical Charge Transfer and Host-Guest Interactions. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 74-78.	2.7	11
32	Construction of Ionic Porous Organic Polymers (iPOPs) via Pyrylium Mediated Transformation. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020, 38, 958-964.	3.8	10
33	Colorimetric "naked-eye"™ sensor for anions based on conformational flexible tripodal receptor. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2011, 70, 115-119.	1.6	9
34	Highly efficient one-pot synthesis of β -free pyrylium salts with tunable fluorescence emission via ring-expanding reaction of triarylcyclopentadienes. <i>Tetrahedron Letters</i> , 2013, 54, 2967-2971.	1.4	9
35	Construction of fluorescence-tunable pyrido-fused benzimidazoles via direct intramolecular C-H amination under transition-metal-free conditions. <i>RSC Advances</i> , 2014, 4, 51268-51271.	3.6	9
36	Synthesis and luminescence properties of a novel Eu ³⁺ , Tb ³⁺ co-doped Al ₁₈ B ₄ O ₃₃ whiskers by a gel nano-coating method. <i>Journal of Materials Science</i> , 2011, 46, 1259-1263.	3.7	8

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37	Trace tungsten and iron-doped nickel hydroxide nanosheets for an efficient oxygen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2792-2799.	4.9	8
38	Construction of rigid ionic porous organic polymers (iPOPs) via Zincke reaction with tunable absorption behaviors. <i>Journal of Porous Materials</i> , 2021, 28, 507-514.	2.6	8
39	λ -Active Pyrylium Salt 2,4,5-Triphenylpyrylium for Improved Mass Spectrometry-Based Detection of Peptides. <i>Analytical Chemistry</i> , 2021, 93, 11072-11080.	6.5	8
40	Pyrylium-based porous organic polymers via Knoevenagel condensation for efficient visible-light-driven heterogeneous photodegradation. <i>Chinese Chemical Letters</i> , 2023, 34, 107541.	9.0	8
41	Constructing hierarchical architectures of Eu ³⁺ -doped Mg ₃ B ₂ O ₆ for tunable luminescent properties. <i>New Journal of Chemistry</i> , 2011, 35, 1449.	2.8	7
42	Directed tuning of nanostructure from 1D to 3D by doping diverse valent cations. <i>RSC Advances</i> , 2011, 1, 184.	3.6	6
43	Selective C=C bond cleavage of cyclopentadiene rings assisted by ferric chloride to synthesize water-soluble pyrylium salts. <i>RSC Advances</i> , 2013, 3, 8232.	3.6	6
44	One-Pot Synthesis of λ -Monosubstituted Pyridiniums from Corresponding Pyrylium Salts. <i>Synthetic Communications</i> , 2012, 42, 480-486.	2.1	5
45	Synthesis, structure and properties of a 3-D Yb(III) metal-organic framework constructed from rod-shaped molecular building blocks. <i>Inorganic Chemistry Communication</i> , 2013, 32, 51-54.	3.9	5
46	Spectroscopic studies on 2,3,4,5-tetraphenylpyrylium salts with and without silver (I)-bridged structures. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 62, 835-839.	3.9	3
47	Two new fluorescent Zn ²⁺ sensors exhibiting different sensing mode with subtle structural changes. <i>Supramolecular Chemistry</i> , 2017, 29, 378-386.	1.2	3
48	A novel PTP1b inhibitor vanadium-flavone complex: synthesis and pharmacodynamic evaluation in streptozotocin-induced diabetic mice. <i>Medicinal Chemistry Research</i> , 2017, 26, 1863-1870.	2.4	2
49	Construction of a novel INHIBIT logic gate through a fine-tuned assembly of anthryl fluorophores via selective anion recognition and host-guest interactions. <i>RSC Advances</i> , 2016, 6, 805-809.	3.6	1
50	A novel intramolecular reversible reaction between the hydroxyl group and isobutenylene chain in a cyclophane-type macrocycle. <i>Chemical Papers</i> , 2016, .	2.2	0
51	The Difference in Sensing Properties Towards Anions between Two Pyridinium Amide-Based Receptors with a Subtle Change of H-Bond Position. <i>Letters in Organic Chemistry</i> , 2020, 17, 472-478.	0.5	0