Zhiming Gou

List of Publications by Year in descending order

29 papers	447 citations	687363 13 h-index	752698 20 g-index
29 all docs	29 docs citations	29 times ranked	397 citing authors

#	Article	IF	Citations
1	Binding Reaction Sites to Polysiloxanes: Unique Fluorescent Probe for Reversible Detection of ClO^{â€“}/GSH Pair and the in Situ Imaging in Live Cells and Zebrafish. Analytical Chemistry, 2019, 91, 1719-1723.	6.5	46
2	Siloxane-Based Nanoporous Polymers with Narrow Pore-size Distribution for Cell Imaging and Explosive Detection. ACS Applied Materials & Interfaces, 2018, 10, 28979-28991.	8.0	39
3	AIE-active polysiloxane-based fluorescent probe for identifying cancer cells by locating lipid drops. Analytica Chimica Acta, 2019, 1091, 88-94.	5.4	34
4	Understanding the significant role of Si O Si bonds: Organosilicon materials as powerful platforms for bioimaging. Coordination Chemistry Reviews, 2021, 447, 214166.	18.8	33
5	Step-wise functionalization of polysiloxane towards a versatile dual-response fluorescent probe and elastomer for the detection of H₂S in two-photon and NO in near-infrared modes. Chemical Communications, 2020, 56, 1121-1124.	4.1	31
6	Pyrenyl-Functionalized Polysiloxane Based on Synergistic Effect for Highly Selective and Highly Sensitive Detection of 4-Nitrotoluene. ACS Applied Materials & Interfaces, 2019, 11, 30218-30227.	8.0	27
7	Two-photon fluorescent polysiloxane-based films with thermally responsive self switching properties achieved by a unique reversible spirocyclization mechanism. Chemical Science, 2018, 9, 2774-2781.	7.4	21
8	Facile construction of imidazole functionalized polysiloxanes by thiol-ene â€œClickâ€•reaction for the consecutive detection of Fe3+ and amino acids. Sensors and Actuators B: Chemical, 2019, 291, 235-242.	7.8	21
9	Novel fluorescent probe with a bridged Siâ€“Oâ€“Si bond for the reversible detection of hypochlorous acid and biothiol amino acids in live cells and zebrafish. Analyst, The, 2019, 144, 5075-5080.	3.5	20
10	Novel polysiloxane-based rhodamine B fluorescent probe for selectively detection of Al3+ and its application in living-cell and zebrafish imaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 216, 207-213.	3.9	20
11	A novel polythioether-based rhodamine B fluorescent probe via successive click reaction and its application in iron ion detection and cell imaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117679.	3.9	20
12	Novel fluorene-based fluorescent probe with excellent stability for selective detection of SCN^{â^’}and its applications in paper-based sensing and bioimaging. Journal of Materials Chemistry B, 2019, 7, 4649-4654.	5.8	18
13	Polysiloxane-based two-photon fluorescent elastomers with superior mechanical and self-healing properties and their application in bioimaging. New Journal of Chemistry, 2018, 42, 14281-14289.	2.8	17
14	Pyrene-based monomer-excimer dual response organosilicon polymer for the selective detection of 2,4,6-trinitrotoluene (TNT) and 2,4,6-trinitrophenol (TNP). Materials Chemistry Frontiers, 2022, 6, 607-612.	5.9	14
15	Robust Organoalkoxysilanes as Red Unconventional Fluorescent Platform. Advanced Functional Materials, 2020, 30, 1910536.	14.9	12
16	Thermally Responsive Materials for Bioimaging. Chemistry - an Asian Journal, 2019, 14, 67-75.	3.3	11
17	Triphenylamine-based silsesquioxane derivatives for multiple anion recognition via anion effect and solvent effect. Sensors and Actuators B: Chemical, 2021, 338, 129837.	7.8	10
18	Thiethylated naphthalimide functional silica nanomaterials: A fluorescent nanosensor for detection of HClO in living cells. Dyes and Pigments, 2021, 185, 108936.	3.7	8

#	Article	IF	Citations
19	Pyrene-based polymer fluorescent materials for the detection of 2,4,6-trinitrophenol and cell imaging. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 410, 113183.	3.9	8
20	Synthesis of Silane-Based Poly(thioether) via Successive Click Reaction and Their Applications in Ion Detection and Cell Imaging. Polymers, 2019, 11, 1235.	4.5	6
21	A POSS-assisted fluorescent probe for the rapid detection of HClO in mitochondria with a large emission wavelength in dual channels. Journal of Materials Chemistry B, 2021, 9, 6836-6843.	5.8	6
22	Construction of polysiloxane-based fluorescent probe for visualizing pH down-regulation. Journal of Materials Chemistry C, 2021, 9, 2392-2397.	5.5	6
23	Hot-Band Absorption of a Cationic RNA Probe Enables Visualization of Î”Î¨_m via the Controllable Anti-Stokes Shift Emission. Analytical Chemistry, 2022, 94, 960-967.	6.5	5
24	Multistimuli-responsive fluorescent probes based on spiropyrans for the visualization of lysosomal autophagy and anticounterfeiting. Journal of Materials Chemistry B, 0, , .	5.8	5
25	Carbazole-siloxane based polymers for the selective detection of 4-nitrophenol and Fe3+. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 430, 113961.	3.9	3
26	New Hyperbranched Polysiloxanes Made by Thiolâ€yne Click Reaction: Lanthanide Complexation and Applications in Bioimaging. Macromolecular Chemistry and Physics, 2021, 222, 2100258.	2.2	2
27	The diversity of the coordination bond generated a POSS-based fluorescent probe for the reversible detection of Cu(<scp>ii</scp>), Fe(<scp>iii</scp>) and amino acids. Journal of Materials Chemistry B, 2021, 9, 9744-9753.	5.8	2
28	Thioureas Bridged Polysiloxanes for Ultrafast Detection of Cr 6+ and Applications. Macromolecular Chemistry and Physics, 2021, 222, 2100080.	2.2	1
29	A fluorescent probe based on POSS for facilitating the visualization of HClO and NO in living cells and zebrafish. Analytical Methods, 2022, 14, 2035-2042.	2.7	1