

Alexander Schiller

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,850
citations

279798

23
h-index

395702

33
g-index

45
all docs

45
docs citations

45
times ranked

2241
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon monoxide " physiology, detection and controlled release. <i>Chemical Communications</i> , 2014, 50, 3644-3660.	4.1	335
2	Enzymatic Glycosylation of Small Molecules: Challenging Substrates Require Tailored Catalysts. <i>Chemistry - A European Journal</i> , 2012, 18, 10786-10801.	3.3	183
3	Potential photoactivated metallopharmaceuticals: from active molecules to supported drugs. <i>Chemical Communications</i> , 2010, 46, 6651.	4.1	149
4	A Fluorescent Sensor Array for Saccharides Based on Boronic Acid Appended Bipyridinium Salts. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6457-6459.	13.8	141
5	Co-Registered Molecular Logic Gate with a CO-Releasing Molecule Triggered by Light and Peroxide. <i>Journal of the American Chemical Society</i> , 2017, 139, 4991-4994.	13.7	89
6	Light-triggered CO release from nanoporous non-wovens. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1454-1463.	5.8	78
7	Red Light-Triggered CO Release from Mn ₂ (CO) ₁₀ Using Triplet Sensitization in Polymer Nonwoven Fabrics. <i>Journal of the American Chemical Society</i> , 2017, 139, 15292-15295.	13.7	67
8	Fluorinated Boronic Acid-Appended Pyridinium Salts and ¹⁹ F NMR Spectroscopy for Diol Sensing. <i>Journal of the American Chemical Society</i> , 2017, 139, 11413-11420.	13.7	61
9	Molecular Logic with a Saccharide Probe on the Few-Molecules Level. <i>Journal of the American Chemical Society</i> , 2012, 134, 8098-8100.	13.7	60
10	Novel Organotellurium(IV) Diazides and Triazides#. <i>Inorganic Chemistry</i> , 2002, 41, 1184-1193.	4.0	44
11	Multiwell plates loaded with fluorescent hydrogel sensors for measuring pH and glucose concentration. <i>Journal of Materials Chemistry</i> , 2011, 21, 7589.	6.7	40
12	Sugar-based Molecular Computing by Material Implication. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7339-7343.	13.8	40
13	Fluorinated Boronic Acid-Appended Bipyridinium Salts for Diol Recognition and Discrimination via ¹⁹ F NMR Barcodes. <i>Journal of the American Chemical Society</i> , 2015, 137, 15402-15405.	13.7	38
14	Recognition of phospho sugars and nucleotides with an array of boronic acid appended bipyridinium salts. <i>Analytica Chimica Acta</i> , 2008, 627, 203-211.	5.4	37
15	Bactericidal Effect of a Photoresponsive Carbon Monoxide-Releasing Nonwoven against <i>Staphylococcus aureus</i> Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4037-4046.	3.2	37
16	Boronic acid-appended bis-viologens as a new family of viologen quenchers for glucose sensing. <i>Tetrahedron Letters</i> , 2008, 49, 300-304.	1.4	34
17	Remote-controlled delivery of CO via photoactive CO-releasing materials on a fiber optical device. <i>Dalton Transactions</i> , 2016, 45, 13222-13233.	3.3	34
18	Enzyme assays with boronic acid appended bipyridinium salts. <i>Analytica Chimica Acta</i> , 2009, 649, 246-251.	5.4	28

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19	Allosteric Indicator Displacement Enzyme Assay for a Cyanogenic Glycoside. <i>Chemistry - A European Journal</i> , 2013, 19, 14451-14457.	3.3	27
20	Unconventional Non-Aqueous Emulsions for the Encapsulation of a Phototriggerable NO-Donor Complex in Polymer Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 138-142.	2.3	27
21	Coherent Anti-Stokes Raman Scattering (CARS) Correlation Spectroscopy. <i>ChemPhysChem</i> , 2002, 3, 630-633.	2.1	25
22	Highly Cross-linked Polymers Containing N,N'-Chelate Ligands for the Cu(II)-Mediated Hydrolysis of Phosphoesters. <i>Inorganic Chemistry</i> , 2005, 44, 6482-6492.	4.0	24
23	Light-responsive paper strips as CO-releasing material with a colourimetric response. <i>Chemical Science</i> , 2017, 8, 6555-6560.	7.4	23
24	Light-triggered NO release from a nanofibrous non-woven. <i>Journal of Materials Chemistry</i> , 2012, 22, 8785.	6.7	22
25	Enhanced hydrolytic activity of Cu(ii) and Zn(ii) complexes in highly cross-linked polymers. <i>Dalton Transactions</i> , 2006, , 3858.	3.3	20
26	Two-Photon-Induced CO-Releasing Molecules as Molecular Logic Systems in Solution, Polymers, and Cells. <i>Chemistry - A European Journal</i> , 2019, 25, 8453-8458.	3.3	15
27	Sensitization of NO-Releasing Ruthenium Complexes to Visible Light. <i>Chemistry - A European Journal</i> , 2015, 21, 15554-15563.	3.3	14
28	Manganese(I)-Based CORMs with 5-Substituted 3-(2-Pyridyl)Pyrazole Ligands. <i>Inorganics</i> , 2017, 5, 8.	2.7	13
29	Visible light-activated biocompatible photo-CORM for CO-release with colorimetric and fluorometric dual turn-on response. <i>Polyhedron</i> , 2019, 172, 175-181.	2.2	10
30	Going Beyond Continuous Glucose Monitoring with Boronic Acid-Appended Bipyridinium Salts. <i>Reviews in Fluorescence</i> , 2011, , 155-191.	0.5	6
31	Frontispiece: Sensitization of NO-Releasing Ruthenium Complexes to Visible Light. <i>Chemistry - A European Journal</i> , 2015, 21, n/a-n/a.	3.3	0
32	Development of an advanced diagnostic concept for intestinal inflammation: molecular visualisation of nitric oxide in macrophages by functional poly(lactic-co-glycolic acid) microspheres. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 1637-1641.	2.8	0
33	Frontispiece: Two-Photon-Induced CO-Releasing Molecules as Molecular Logic Systems in Solution, Polymers, and Cells. <i>Chemistry - A European Journal</i> , 2019, 25, .	3.3	0
34	Bis[(1-vinyl-1H-imidazol-2-yl- λ^3 N3)methanamine- λ^1 N]copper(II) bis(hexafluoridophosphate). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, m1845-m1845.	0.2	0