Andreas Winter

List of Publications by Year
in descending order

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68 papers	3,042 citations	218677 26 h-index	168389 53 g-index
75 all docs	75 docs citations	75 times ranked	4133 citing authors

#	Article	IF	Citations
1	Recent Developments in the Application of Phosphorescent Iridium(III) Complex Systems. Advanced Materials, 2009, 21, 4418-4441.	21.0	693
2	Synthesis and characterization of metallo-supramolecular polymers. Chemical Society Reviews, 2016, 45, 5311-5357.	38.1	332
3	Photogenerated avenues in macromolecules containing Re(i), Ru(ii), Os(ii), and Ir(iii) metal complexes of pyridine-based ligands. Chemical Society Reviews, 2012, 41, 2222-2255.	38.1	211
4	Catalytic Applications of Terpyridines and their Transition Metal Complexes. ChemCatChem, 2011, 3, 1384-1406.	3.7	131
5	A Heteroleptic Bis(tridentate) Ruthenium(II) Complex of a Clickâ€Derived Abnormal Carbene Pincer Ligand with Potential for Photosensitzer Application. Chemistry - A European Journal, 2011, 17, 5494-5498.	3.3	117
6	Selfâ€assembly of Ï€â€conjugated bis(terpyridine) ligands with zinc(II) ions: New metallosupramolecular materials for optoelectronic applications. Journal of Polymer Science Part A, 2009, 47, 4083-4098.	2.3	80
7	Rigid Ï€-Conjugated Mono-, Bis-, and Tris(2,2â€˜:6â€˜,2â€˜Ââ€˜-terpyridines). Organic Letters, 2007, 9, 2345-2348.	4.6	74
8	Spectroscopic Investigation of the Ultrafast Photoinduced Dynamics in Ï€â€Conjugated Terpyridines. ChemPhysChem, 2009, 10, 910-919.	2.1	68
9	Synthesis of Rigid Ï€â€Conjugated Monoâ€, Bisâ€, Trisâ€, and Tetrakis(terpyridine)s: Influence of the Degree and Pattern of Substitution on the Photophysical Properties. European Journal of Organic Chemistry, 2009, 2009, 801-809.	2.4	64
10	The molecular mechanism of dual emission in terpyridine transition metal complexesâ€”ultrafast investigations of photoinduced dynamics. Physical Chemistry Chemical Physics, 2011, 13, 1606-1617.	2.8	59
11	Terpyridines and their Complexes with First Row Transition Metal Ions:Cytotoxicity, Nuclease Activity and Self-Assembly of Biomacromolecules. Current Topics in Medicinal Chemistry, 2012, 12, 158-175.	2.1	58
12	Metalâ€Terpyridine Complexes in Catalytic Application â€“ A Spotlight on the Last Decade. ChemCatChem, 2020, 12, 2890-2941.	3.7	56
13	Proton and Li-Ion Permeation through Graphene with Eight-Atom-Ring Defects. ACS Nano, 2020, 14, 7280-7286.	14.6	55
14	Allâ€Carbon Vertical van der Waals Heterostructures: Nonâ€destructive Functionalization of Graphene for Electronic Applications. Advanced Materials, 2014, 26, 4831-4837.	21.0	51
15	Synthesis, Characterization, and Electroâ€Optical Properties of Zn^{II}Complexes with Ï€â€Conjugated Terpyridine Ligands. ChemPhysChem, 2009, 10, 787-798.	2.1	49
16	An atomically thin matter-wave beamsplitter. Nature Nanotechnology, 2015, 10, 845-848.	31.5	41
17	Ï€â€Conjugated Donor and Donorâ€“Acceptor Metalloâ€Polymers. Macromolecular Rapid Communications, 2010, 31, 868-874.	3.9	40
18	Survey of Plasmonic Nanoparticles: From Synthesis to Application. Particle and Particle Systems Characterization, 2014, 31, 721-744.	2.3	40

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19	Advancing the Solid State Properties of Metalloâ€Supramolecular Materials: Poly(Îµâ€caprolactone) Modified Ï€â€Conjugated Bis(terpyridine)s and their Zn(II) Based Metalloâ€Polymers. Macromolecular Rapid Communications, 2008, 29, 1679-1686.	3.9	37
20	A Concept to Tailor Electron Delocalization: Applying QTAIM Analysis to Phenylâ^'Terpyridine Compounds. Journal of Physical Chemistry A, 2010, 114, 13163-13174.	2.5	37
21	Ï€â€Conjugated 2,2â€²:6â€²,2â€³â€Bis(terpyridines): Systematical Tuning of the Optical Properties by Variation of the Linkage between the Terpyridines and the Ï€â€Conjugated System. European Journal of Organic Chemistry, 2010, 2010, 1859-1868.	2.4	34
22	Pt^{II} Phosphors with Click-Derived 1,2,3-Triazole-Containing Tridentate Chelates. Organometallics, 2018, 37, 145-155.	2.3	31
23	Lightâ€Induced Dynamics in Conjugated Bis(terpyridine) Ligands â€“ A Case Study Toward Photoactive Coordination Polymers. Macromolecular Rapid Communications, 2012, 33, 481-497.	3.9	29
24	Self-organization of rodâ€“coil tri- and tetra-arm star metallo-supramolecular block copolymers in selective solvents. Soft Matter, 2009, 5, 2954.	2.7	28
25	Direct Observation of Temperature-Dependent Excited-State Equilibrium in Dinuclear Ruthenium Terpyridine Complexes Bearing Electron-Poor Bridging Ligands. Journal of Physical Chemistry C, 2011, 115, 12677-12688.	3.1	27
26	Energy transfer and formation of long-lived 3MLCT states in multimetallic complexes with extended highly conjugated bis-terpyridyl ligands. Physical Chemistry Chemical Physics, 2016, 18, 2350-2360.	2.8	26
27	New Ruthenium Bis(terpyridine) Methanofullerene and Pyrrolidinofullerene Complexes: Synthesis and Electrochemical and Photophysical Properties. Inorganic Chemistry, 2015, 54, 3159-3171.	4.0	25
28	Freestanding carbon nanomembranes and graphene monolayers nanopatterned via EUV interference lithography. 2D Materials, 2019, 6, 021002.	4.4	23
29	Light-harvesting of polymerizable 4-hydroxy-1,3-thiazole monomers by energy transfer toward photoactive Os(<scp>ii</scp>) metal complexes in linear polymers. Polymer Chemistry, 2014, 5, 2715-2724.	3.9	22
30	Direct detection of the photoinduced charge-separated state in a Ru(<scp>ii</scp>) bis(terpyridine)â€“polyoxometalate molecular dyad. Chemical Communications, 2018, 54, 2970-2973.	4.1	21
31	New Polyesterâ€Based Terpyridine Macroligands and their Blue Iron(<scp>II</scp>) Complexes. Macromolecular Chemistry and Physics, 2007, 208, 1956-1964.	2.2	20
32	Energy versus Electron Transfer: Controlling the Excitation Transfer in Molecular Triads. Chemistry - A European Journal, 2017, 23, 4917-4922.	3.3	20
33	Poly(dimethylsiloxane)â€Substituted 2,2â€²:6,2â€³â€Terpyridines: Synthesis and Characterization of New Amphiphilic Supramolecular Diblock Copolymers. Macromolecular Chemistry and Physics, 2008, 209, 1666-1672.	2.2	19
34	Copolymers Containing Phosphorescent Iridium(III) Complexes Obtained by Free and Controlled Radical Polymerization Techniques. Macromolecular Rapid Communications, 2008, 29, 1919-1925.	3.9	18
35	Efficient Energy Transfer and Metal Coupling in Cyanide-Bridged Heterodinuclear Complexes Based on (Bipyridine)(terpyridine)ruthenium(II) and (Phenylpyridine)iridium(III) Complexes. Inorganic Chemistry, 2016, 55, 5152-5167.	4.0	18
36	Polymer Brushes on Hexagonal Boron Nitride. Small, 2019, 15, 1805228.	10.0	18

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37	Increased Charge Separation Rates with Increasing Donorâ€“Acceptor Distance in Molecular Triads: The Effect of Solvent Polarity. Journal of Physical Chemistry C, 2017, 121, 9220-9229.	3.1	17
38	Unexpected metal-mediated oxidation of hydroxymethyl groups to coordinated carboxylate groups by bis-cyclometalated iridium(iii) centers. New Journal of Chemistry, 2010, 34, 2622.	2.8	16
39	Molecular Dyads and Triads Based on Phenothiazine and Ï€â€Extended Tetrathiafulvalene Donors, Bis(terpyridine)ruthenium(II) Complexes, and Polyoxometalates. European Journal of Inorganic Chemistry, 2017, 2017, 3698-3706.	2.0	16
40	Soluble Pt^{II}-Containing Polymers Based on a 2,6-Bis(1H-1,2,3-triazol-4-yl)-4-ethynylpyridine Ligand. ACS Macro Letters, 2017, 6, 181-184.	4.8	15
41	Excitation Energy-Dependent Branching Dynamics Determines Photostability of Iron(II)â€“Mesoionic Carbene Complexes. Inorganic Chemistry, 2021, 60, 9157-9173.	4.0	15
42	Smart Molecular Nanosheets for Advanced Preparation of Biological Samples in Electron Cryo-Microscopy. ACS Nano, 2020, 14, 9972-9978.	14.6	14
43	The supramolecular assemblies based on heteroatom-containing triangulenes. Materials Chemistry Frontiers, 2019, 3, 2308-2325.	5.9	13
44	Is electron ping-pong limiting the catalytic hydrogen evolution activity in covalent photosensitizerâ€“polyoxometalate dyads?. Chemical Communications, 2020, 56, 10485-10488.	4.1	12
45	Induced Charge Effect by Co(II) Complexation on the Conformation of a Copolymer Containing a Bidentate 2â€(1,2,3â€Triazolâ€4â€yl)pyridine Chelating Unit. Macromolecular Chemistry and Physics, 2012, 213, 1339-1348.	2.2	11
46	Electrochemical delamination assisted transfer of molecular nanosheets. Nanoscale, 2020, 12, 8656-8663.	5.6	11
47	Amphiphilic supramolecular A(B)2A quasi-triblock copolymers. Polymer Chemistry, 2013, 4, 3177.	3.9	10
48	Optically Triggered Control of the Charge Carrier Density in Chemically Functionalized Graphene Field Effect Transistors. Chemistry - A European Journal, 2020, 26, 6473-6478.	3.3	10
49	Collision crossâ€section analysis of selfâ€assembled metallomacrocycle isomers and isobars via ion mobility mass spectrometry. Rapid Communications in Mass Spectrometry, 2020, 34, e8717.	1.5	9
50	Dyads and Triads Based on Phenothiazine, Bis(terpyridine)ruthenium(II) Complexes, and Fullerene. European Journal of Inorganic Chemistry, 2016, 2016, 5132-5142.	2.0	8
51	Coexistence of distinct intramolecular electron transfer pathways in polyoxometalate based molecular triads. Physical Chemistry Chemical Physics, 2018, 20, 11740-11748.	2.8	8
52	Hydrogel-Embedded Model Photocatalytic System Investigated by Raman and IR Spectroscopy Assisted by Density Functional Theory Calculations and Two-Dimensional Correlation Analysis. Journal of Physical Chemistry A, 2018, 122, 2677-2687.	2.5	7
53	Remote control of electronic coupling â€“ modification of excited-state electron-transfer rates in Ru(tpy)₂-based donorâ€“acceptor systems by remote ligand design. Chemical Communications, 2019, 55, 2273-2276.	4.1	6
54	Organic linkage controls the photophysical properties of covalent photosensitizerâ€“polyoxometalate hydrogen evolution dyads. Sustainable Energy and Fuels, 2020, 4, 4688-4693.	4.9	5

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55	Towards Covalent Photosensitizer-Polyoxometalate Dyads-Bipyridyl-Functionalized Polyoxometalates and Their Transition Metal Complexes. Molecules, 2019, 24, 4446.	3.8	4
56	Noble Metal Complexes of a Bis-Caffeine Containing NHC Ligand. Molecules, 2022, 27, 4316.	3.8	4
57	Superexchange in the fast lane â€“ intramolecular electron transfer in a molecular triad occurs by conformationally gated superexchange. Chemical Communications, 2019, 55, 5251-5254.	4.1	3
58	Photoactive ultrathin molecular nanosheets with reversible lanthanide binding terpyridine centers. Nanoscale, 2021, 13, 20583-20591.	5.6	3
59	Solution-Based Self-Assembly and Stability of Ruthenium(II) Tris-bipyridyl Monolayers on Gold. ACS Applied Materials & Interfaces, 2021, 13, 60544-60552.	8.0	3
60	Hydrodynamic Characteristics and Conformational Parameters of Ferrocene-Terpyridine-Based Polymers. Polymers, 2022, 14, 1776.	4.5	3
61	Polymer Brushes: Polymer Brushes on Hexagonal Boron Nitride (Small 19/2019). Small, 2019, 15, 1970099.	10.0	2
62	Dithiafulvenyl-equipped Ru(II) bis-terpyridine complexes â€“ Synthesis, photophysical and electrochemical properties. Inorganica Chimica Acta, 2020, 510, 119747.	2.4	2
63	Metallo-Supramolecular Complexation Behavior of Terpyridine- and Ferrocene-Based Polymers in Solutionâ€”A Molecular Hydrodynamics Perspective. Polymers, 2022, 14, 944.	4.5	2
64	Comparing Microwave and Classical Synthesis of Oxymethylene Dimethyl Ethers. Macromolecular Chemistry and Physics, 0, , 2200020.	2.2	2
65	Twoâ€Dimensional Photosensitizer Nanosheets via Lowâ€Energy Electron Beam Induced Crossâ€Linking of Selfâ€Assembled Ru(II) Polypyridine Monolayers. Angewandte Chemie - International Edition, 2022, , .	13.8	1
66	Twoâ€Dimensional Photosensitizer Nanosheets via Lowâ€Energy Electron Beam Induced Crossâ€Linking of Selfâ€Assembled Ru(II) Polypyridine Monolayers. Angewandte Chemie, 0, , .	2.0	1
67	Frontispiz: Twoâ€Dimensional Photosensitizer Nanosheets via Lowâ€Energy Electron Beam Induced Crossâ€Linking of Selfâ€Assembled Ru^{II} Polypyridine Monolayers. Angewandte Chemie, 2022, 134, .	2.0	0
68	Frontispiece: Twoâ€Dimensional Photosensitizer Nanosheets via Lowâ€Energy Electron Beam Induced Crossâ€Linking of Selfâ€Assembled Ru^{II} Polypyridine Monolayers. Angewandte Chemie - International Edition, 2022, 61, .	13.8	0