Mark S Workentin

List of Publications by Year
in descending order

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84	2,137	201674	265206
papers	citations	27	42
		h-index	g-index

90	90	90	2414
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Controlling the Structure, Properties and Surface Reactivity of Clickable Azideâ€Functionalized Au₂₅(SR)₁₈ Nanocluster Platforms Through Regioisomeric Ligand Modifications. Angewandte Chemie - International Edition, 2022, 61, .	13.8	9
2	Strained alkyne polymers capable of SPAAC via ring-opening metathesis polymerization. Polymer Chemistry, 2021, 12, 5542-5547.	3.9	0
3	Investigation of Au SAMs Photoclick Derivatization by PM-IRRAS. Langmuir, 2020, 36, 1014-1022.	3.5	7
4	Anhydride Post-Synthetic Modification in a Hierarchical Metalâ€“Organic Framework. Journal of the American Chemical Society, 2020, 142, 4419-4428.	13.7	53
5	Golden Opportunity: A Clickable Azide-Functionalized [Au₂₅(SR)₁₈]^â Nanocluster Platform for Interfacial Surface Modifications. Journal of the American Chemical Society, 2019, 141, 11781-11785.	13.7	43
6	Highly Electron-Deficient Pyridinium-Nitrones for Rapid and Tunable Inverse-Electron-Demand Strain-Promoted Alkyne-Nitrone Cycloaddition. Organic Letters, 2019, 21, 5547-5551.	4.6	11
7	Nitrone-Modified Gold Nanoparticles: Synthesis, Characterization, and Their Potential as ¹⁸F-Labeled Positron Emission Tomography Probes via I-SPANC. ACS Omega, 2019, 4, 19106-19115.	3.5	9
8	Dual-Bioorthogonal Molecular Tool: â€œClick-to-Releaseâ€•and â€œDouble-Clickâ€•Reactivity on Small Molecules and Material Surfaces. Bioconjugate Chemistry, 2019, 30, 1140-1149.	3.6	23
9	Dialkynylborane Complexes of Formazanate Ligands: Synthesis, Electronic Properties, and Reactivity. Inorganic Chemistry, 2019, 58, 834-843.	4.0	13
10	Loading across the Periodic Table: Introducing 14 Different Metal Ions To Enhance Metalâ€“Organic Framework Performance. ACS Applied Materials & Interfaces, 2018, 10, 30296-30305.	8.0	20
11	NHC Ligated Group 11 Metal-Arylthiolates Containing an Azide Functionality Amenable to â€œClickâ€• Reaction Chemistry. Inorganic Chemistry, 2018, 57, 11184-11192.	4.0	7
12	Fluorogenic Gold Nanoparticle (AuNP) Substrate: A Model for the Controlled Release of Molecules from AuNP Nanocarriers via Interfacial Staudingerâ€“Bertozzi Ligation. Langmuir, 2017, 33, 1908-1913.	3.5	16
13	Frontispiece: â€œShine & Clickâ€•Photoâ€Induced Interfacial Unmasking of Strained Alkynes on Small Waterâ€Soluble Gold Nanoparticles. Chemistry - A European Journal, 2017, 23, .	3.3	0
14	Bombesinâ€functionalized waterâ€soluble gold nanoparticles for targeting prostate cancer. Journal of Interdisciplinary Nanomedicine, 2017, 2, 174-187.	3.6	6
15	â€œShine & Clickâ€•Photoâ€Induced Interfacial Unmasking of Strained Alkynes on Small Waterâ€Soluble Gold Nanoparticles. Chemistry - A European Journal, 2017, 23, 1052-1059.	3.3	27
16	ZnII and CdII Ferrocenechalcogenolate Complexes. European Journal of Inorganic Chemistry, 2017, 2017, 372-377.	2.0	2
17	A nanoaggregate-on-mirror platform for molecular and biomolecular detection by surface-enhanced Raman spectroscopy. Analytical and Bioanalytical Chemistry, 2016, 408, 609-618.	3.7	9
18	Insights on the Application of the Retro Michael-Type Addition on Maleimide-Functionalized Gold Nanoparticles in Biology and Nanomedicine. Bioconjugate Chemistry, 2016, 27, 586-593.	3.6	26

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19	An Azide-Functionalized Nitronyl Nitroxide Radical: Synthesis, Characterization and Staudingerâ€“Bertozzi Ligation Reactivity. Synlett, 2016, 27, 304-308.	1.8	1
20	Waterâ€Soluble Maleimideâ€Modified Gold Nanoparticles (AuNPs) as a Platform for Cycloaddition Reactions. European Journal of Organic Chemistry, 2015, 2015, 5438-5447.	2.4	9
21	Covalent modification of graphene and micro-diamond with redox active substrates via photogenerated carbenes. Carbon, 2015, 85, 159-167.	10.3	11
22	Expanding the scope of strained-alkyne chemistry: a protectionâ€“deprotection strategy via the formation of a dicobaltâ€“hexacarbonyl complex. Chemical Communications, 2015, 51, 6647-6650.	4.1	22
23	Small gold nanoparticles for interfacial Staudingerâ€“Bertozzi ligation. Organic and Biomolecular Chemistry, 2015, 13, 4605-4612.	2.8	16
24	Gold nanosponges (AuNS): a versatile nanostructure for surface-enhanced Raman spectroscopic detection of small molecules and biomolecules. Analyst, The, 2015, 140, 7278-7282.	3.5	7
25	Synthesis of small water-soluble diazirine-functionalized gold nanoparticles and their photochemical modification. Canadian Journal of Chemistry, 2015, 93, 98-105.	1.1	2
26	High-resolution Raman imaging of bundles of single-walled carbon nanotubes by tip-enhanced Raman spectroscopy. Canadian Journal of Chemistry, 2015, 93, 51-59.	1.1	5
27	Dissociative Electron Transfer to Diphenyl-Substituted Bicyclic Endoperoxides: The Effect of Molecular Structure on the Reactivity of Distonic Radical Anions and Determination of Thermochemical Parameters. Molecules, 2014, 19, 11999-12010.	3.8	5
28	Peptide-decorated gold nanoparticles via strain-promoted azideâ€“alkyne cycloaddition and post assembly deprotection. RSC Advances, 2014, 4, 43087-43091.	3.6	20
29	Near-infrared electrochemiluminescence from Au₂₅(SC₂H₄Ph)₁₈⁺ clusters co-reacted with tri-n-propylamine. RSC Advances, 2014, 4, 29559-29562.	3.6	26
30	Versatile strained alkyne modified water-soluble AuNPs for interfacial strain promoted azideâ€“alkyne cycloaddition (I-SPAAC). Journal of Materials Chemistry B, 2014, 2, 1764-1769.	5.8	32
31	Facile synthesis of Au₂₃(SC(CH₃)₃)₁₆ clusters. Journal of Materials Chemistry C, 2014, 2, 3631-3638.	5.5	28
32	NIR electrochemiluminescence from Au₂₅^{â^'} nanoclusters facilitated by highly oxidizing and reducing co-reactant radicals. Chemical Science, 2014, 5, 3814-3822.	7.4	101
33	Thermodynamic and Kinetic Origins of Au₂₅⁰ Nanocluster Electrochemiluminescence. Chemistry - A European Journal, 2014, 20, 15116-15121.	3.3	41
34	Interfacial ketene via the photo-Wolff rearrangement for the modification of monolayer protected gold nanoparticles. Journal of Physical Organic Chemistry, 2013, 26, 601-607.	1.9	3
35	Water-soluble gold nanoparticles (AuNP) functionalized with a gadolinium(iii) chelate via Michael addition for use as a MRI contrast agent. Journal of Materials Chemistry B, 2013, 1, 5628.	5.8	19
36	Photolysis and Thermolysis of Pyridyl Carbonyl Azide Monolayers on Singleâ€Crystal Platinum. Photochemistry and Photobiology, 2013, 89, 1020-1028.	2.5	3

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37	Arresting the time-dependent H2O2 mediated synthesis of gold nanoparticles for analytical detection and preparative chemistry. Journal of Materials Chemistry B, 2013, 1, 4048.	5.8	16
38	Facile synthesis of gold nanoparticle (AuNP)â€“carbon nanotube (CNT) hybrids through an interfacial Michael addition reaction. Chemical Communications, 2013, 49, 2831.	4.1	58
39	Interfacial strain-promoted alkyneâ€“azide cycloaddition (I-SPAAC) for the synthesis of nanomaterial hybrids. Chemical Communications, 2013, 49, 3982.	4.1	45
40	Tip-Enhanced Raman Spectroscopy of Self-Assembled Thiolated Monolayers on Flat Gold Nanoplates Using Gaussian-Transverse and Radially Polarized Excitations. Journal of Physical Chemistry C, 2013, 117, 15639-15646.	3.1	34
41	The Syntheses and Electrochemical Studies of a Ferrocene Substituted Diiminopyridine Ligand and Its P, S, Se, and Te Complexes. Inorganic Chemistry, 2012, 51, 8425-8432.	4.0	20
42	Improved Methodology for the Preparation of Water-Soluble Maleimide-Functionalized Small Gold Nanoparticles. Langmuir, 2012, 28, 12357-12363.	3.5	32
43	Michael Addition Reactions for the Modification of Gold Nanoparticles Facilitated by Hyperbaric Conditions. Langmuir, 2012, 28, 864-871.	3.5	17
44	Interrogating Near-Infrared Electrogenerated Chemiluminescence of Au₂₅(SC₂H₄Ph)₁₈⁺ Clusters. Journal of the American Chemical Society, 2012, 134, 15205-15208.	13.7	136
45	Photoactivated Nitrene Chemistry to Prepare Gold Nanoparticle Hybrids with Carbonaceous Materials. ChemPhysChem, 2012, 13, 3185-3193.	2.1	6
46	Kinetics of the photoinduced dissociative reduction of the model alkyl peroxides di-tert-butyl peroxide and ascaridole. Mediterranean Journal of Chemistry, 2012, 1, 303-315.	0.7	1
47	Covalent diamondâ€“gold nanojewel hybrids via photochemically generated carbenes. Chemical Communications, 2011, 47, 7788.	4.1	18
48	Chemoselective photochemical surface reactionÂâ€” Ketene versus carbene reactivity from the photolysis of saturated monolayers of pyridyl diazoesters on single-crystal Pt. Canadian Journal of Chemistry, 2011, 89, 117-121.	1.1	4
49	Covalently Assembled Gold Nanoparticle-Carbon Nanotube Hybrids via a Photoinitiated Carbene Addition Reaction. Chemistry of Materials, 2011, 23, 1519-1525.	6.7	71
50	Light-Activated Covalent Formation of Gold Nanoparticleâ€“Graphene and Gold Nanoparticleâ€“Glass Composites. Langmuir, 2011, 27, 13261-13268.	3.5	68
51	The electrochemical reduction of 1,4-dichloroazoethanes: Reductive elimination of chloride to form aryl azines. Electrochimica Acta, 2010, 55, 5584-5591.	5.2	13
52	Efficient Homogeneous Radicalâ€Anion Chain Reactions Initiated by Dissociative Electron Transfer to 3,3,6,6â€Tetraarylâ€1,2â€dioxanes. Chemistry - A European Journal, 2010, 16, 178-188.	3.3	14
53	Maleimideâ€Modified Phosphonium Ionic Liquids: A Template Towards (Multi)Taskâ€Specific Ionic Liquids. Chemistry - A European Journal, 2010, 16, 9068-9075.	3.3	23
54	Diazirine-Modified Gold Nanoparticle: Template for Efficient Photoinduced Interfacial Carbene Insertion Reactions. Langmuir, 2010, 26, 14958-14964.	3.5	28

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55	Remarkable high-yielding chemical modification of gold nanoparticles using uncatalyzed click-type 1,3-dipolar cycloaddition chemistry and hyperbaric conditions. Canadian Journal of Chemistry, 2009, 87, 1708-1715.	1.1	9
56	A Radicalâ€Anion Chain Mechanism Initiated by Dissociative Electron Transfer to a Bicyclic Endoperoxide: Insight into the Fragmentation Chemistry of Neutral Biradicals and Distonic Radical Anions. Chemistry - A European Journal, 2008, 14, 1698-1709.	3.3	26
57	Efficient Synthesis of Isoxazolidine-Tethered Monolayer-Protected Gold Nanoparticles (MPGNs) via 1,3-Dipolar Cycloadditions under High-Pressure Conditions. Journal of Organic Chemistry, 2008, 73, 1099-1105.	3.2	30
58	A radical-anion chain mechanism following dissociative electron transfer reduction of the model prostaglandin endoperoxide, 1,4-diphenyl-2,3-dioxabicyclo[2.2.1]heptane. Organic and Biomolecular Chemistry, 2008, 6, 3354.	2.8	16
59	Chemical Modification of Monolayer-Protected Gold Nanoparticles Using Hyperbaric Conditions. Journal of the American Chemical Society, 2007, 129, 4904-4905.	13.7	35
60	Electrochemical Reduction of G3-Factor Endoperoxide and Its Methyl Ether: Evidence for a Competition between Concerted and Stepwise Dissociative Electron Transfer. Chemistry - A European Journal, 2007, 13, 1174-1179.	3.3	20
61	Electron Transfer to Sulfides and Disulfides: Intrinsic Barriers and Relationship between Heterogeneous and Homogeneous Electronâ€Transfer Kinetics. Chemistry - A European Journal, 2007, 13, 7983-7995.	3.3	27
62	A Retro-Dielsâ^'Alder Reaction to Uncover Maleimide-Modified Surfaces on Monolayer-Protected Nanoparticles for Reversible Covalent Assembly. Organic Letters, 2006, 8, 4993-4996.	4.6	49
63	Regioselective SÂ—O vs. CÂ—O bond cleavage in sulfenate ester radical anions. Canadian Journal of Chemistry, 2005, 83, 1473-1482.	1.1	5
64	Elucidation of the Electron Transfer Reduction Mechanism of Anthracene Endoperoxides. Journal of the American Chemical Society, 2004, 126, 1688-1698.	13.7	82
65	Radical anion chain process initiated by a dissociative electron transfer to a monocyclic endoperoxide.. Chemical Communications, 2003, , 1246-1247.	4.1	15
66	Model dialkyl peroxides of the Fenton mechanistic probe 2-methyl-1-phenyl-2-propyl hydroperoxide (MPPH): kinetic probes for dissociative electron transfer. Organic and Biomolecular Chemistry, 2003, 1, 3418.	2.8	19
67	6â€ƒâ€ƒReaction mechanisms : Part (iii) Radical and radical ion reactions. Annual Reports on the Progress of Chemistry Section B, 2002, 98, 317-357.	0.9	2
68	Evaluation of the Extent of Conjugation in Symmetrical and Asymmetrical Aryl-Substituted Acetophenone Azines Using Electrochemical Methods. Journal of Organic Chemistry, 2001, 66, 831-838.	3.2	51
69	Kinetics and mechanism of the dissociative reduction of Cî—¸X and Xî—¸X bonds (X î—» O, S). Advances in Physical Organic Chemistry, 2001, 36, 85-166.	0.5	34
70	7 Reaction mechanisms. Part (iv) Radical and radical ion reactions. Annual Reports on the Progress of Chemistry Section B, 2001, 97, 345-392.	0.9	3
71	Trialkylphosphine-Stabilized Copperâ^'Phenyltellurolate Complexes:â€‰ From Small Molecules to Nanoclusters via Condensation Reactions. Inorganic Chemistry, 2001, 40, 4678-4685.	4.0	33
72	Aryl Ketone Photochemistry on Monolayer Protected Clusters:â€‰ Study of the Norrish Type II Reaction as a Probe of Conformational Mobility and for Selective Surface Modification. Langmuir, 2001, 17, 7355-7363.	3.5	17

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73	Kinetics of the photoinduced dissociative electron transfer reduction of the antimalarial endoperoxide, Artemisinin. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 138, 29-34.	3.9	22
74	Kinetics of Dissociative Electron Transfer to Ascaridole and Dihydroascaridoleâ€"Model Bicyclic Endoperoxides of Biological Relevance. Chemistry - A European Journal, 2001, 7, 4012-4020.	3.3	41
75	Reactive Intermediates on Metal Surfaces: A Ketene Monolayer on Single Crystal Platinum Generated by Photolysis of PyridylÎ±-Diazoketones. Angewandte Chemie - International Edition, 2000, 39, 2144-2147.	13.8	10
76	9â€ƒReaction mechanisms. Annual Reports on the Progress of Chemistry Section B, 2000, 96, 399-443.	0.9	1
77	Norrish Type II Photochemical Reaction of an Aryl Ketone on a Monolayer-Protected Gold Nanocluster. Development of a Probe of Conformational Mobility. Organic Letters, 2000, 2, 3381-3384.	4.6	34
78	O-Neophyl-type 1,2-phenyl rearrangement initiated by electron transfer: development of kinetic probes of dissociative electron transfer. Chemical Communications, 1999, , 135-136.	4.1	18
79	Î±-Diazo ketone self-assembled monolayer modified electrode: a proposed photoreactive template for electrode derivatisation. Chemical Communications, 1999, , 839-840.	4.1	8
80	Kinetics of the Reduction of Dialkyl Peroxides. New Insights into the Dynamics of Dissociative Electron Transfer1. Journal of the American Chemical Society, 1999, 121, 7239-7248.	13.7	103
81	First Determination of the Standard Potential for the Dissociative Reduction of the Antimalarial Agent Artemisinin. Journal of Physical Chemistry B, 1998, 102, 4061-4063.	2.6	54
82	Dissociative Electron Transfer to Biologically Relevant Bicyclic Endoperoxides. Determination of Thermochemical Parameters. Journal of the American Chemical Society, 1998, 120, 2664-2665.	13.7	51
83	Reduction of Di-tert-Butyl Peroxide: Evidence for Nonadiabatic Dissociative Electron Transfer. Journal of the American Chemical Society, 1995, 117, 2120-2121.	13.7	84
84	Controlling the Structure, Properties and Surface Reactivity of Clickable Azideâ€Functionalized Au25(SR)18 Nanocluster Platforms Through Regioisomeric Ligand Modifications. Angewandte Chemie, 0, , .	2.0	0