

Sabrina Antonello

List of Publications by Year in descending order

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48
papers

2,881
citations

159585

30
h-index

197818

49
g-index

50
all docs

50
docs citations

50
times ranked

2160
citing authors

#	ARTICLE	IF	CITATIONS
1	Interplay of Charge State, Lability, and Magnetism in the Molecule-like Au ₂₅ (SR) ₁₈ Cluster. <i>Journal of the American Chemical Society</i> , 2013, 135, 15585-15594.	13.7	203
2	Electroreduction of Dialkyl Peroxides. Activation [†] Driving Force Relationships and Bond Dissociation Free Energies. <i>Journal of the American Chemical Society</i> , 1997, 119, 9541-9549.	13.7	153
3	Gold Nanowired: A Linear (Au ₂₅) _n Polymer from Au ₂₅ Molecular Clusters. <i>ACS Nano</i> , 2014, 8, 8505-8512.	14.6	146
4	Au ₂₅ (SET) ₁₈ , a Nearly Naked Thiolate-Protected Au ₂₅ Cluster: Structural Analysis by Single Crystal X-ray Crystallography and Electron Nuclear Double Resonance. <i>ACS Nano</i> , 2014, 8, 3904-3912.	14.6	145
5	The Role and Relevance of the Transfer Coefficient α in the Study of Dissociative Electron Transfers: Concepts and Examples from the Electroreduction of Perbenzoates. <i>Journal of the American Chemical Society</i> , 1999, 121, 9668-9676.	13.7	132
6	Gold Nanoclusters Protected by Conformationally Constrained Peptides. <i>Journal of the American Chemical Society</i> , 2006, 128, 326-336.	13.7	125
7	Effect of the Charge State ($z = -1, 0, +1$) on the Nuclear Magnetic Resonance of Monodisperse Au ₂₅ [S(CH ₂) ₂ Ph] ₁₈ Clusters. <i>Analytical Chemistry</i> , 2011, 83, 6355-6362.	6.5	124
8	Metal Doping of Au ₂₅ (SR) ₁₈ Clusters: Insights and Hindsight. <i>Journal of the American Chemical Society</i> , 2019, 141, 16033-16045.	13.7	120
9	Theoretical and Electrochemical Analysis of Dissociative Electron Transfers Proceeding through Formation of Loose Radical Anion Species: Reduction of Symmetrical and Unsymmetrical Disulfides. <i>Journal of the American Chemical Society</i> , 2002, 124, 7529-7538.	13.7	118
10	Evidence Against the Hopping Mechanism as an Important Electron Transfer Pathway for Conformationally Constrained Oligopeptides. <i>Journal of the American Chemical Society</i> , 2005, 127, 492-493.	13.7	116
11	Formation and Cleavage of Aromatic Disulfide Radical Anions. <i>Journal of the American Chemical Society</i> , 2003, 125, 14905-14916.	13.7	103
12	Anomalous Distance Dependence of Electron Transfer across Peptide Bridges. <i>Journal of the American Chemical Society</i> , 2003, 125, 2874-2875.	13.7	100
13	Evidence for the Transition between Concerted and Stepwise Heterogeneous Electron Transfer [†] Bond Fragmentation Mechanisms. <i>Journal of the American Chemical Society</i> , 1997, 119, 12595-12600.	13.7	90
14	Molecular Electron-Transfer Properties of Au ₃₈ Clusters. <i>Journal of the American Chemical Society</i> , 2007, 129, 9836-9837.	13.7	82
15	Electron Transfer through 3D Monolayers on Au ₂₅ Clusters. <i>ACS Nano</i> , 2014, 8, 2788-2795.	14.6	80
16	Evidence for Large Inner Reorganization Energies in the Reduction of Diaryl Disulfides: A Mechanistic Link between Concerted and Stepwise Dissociative Electron Transfers?. <i>Journal of the American Chemical Society</i> , 1999, 121, 1750-1751.	13.7	79
17	From Blue to Green: Fine-Tuning of Photoluminescence and Electrochemiluminescence in Bifunctional Organic Dyes. <i>Journal of the American Chemical Society</i> , 2017, 139, 2060-2069.	13.7	73
18	Intramolecular dissociative electron transfer. <i>Chemical Society Reviews</i> , 2005, 34, 418.	38.1	72

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19	Electrocrystallization of Monolayer-Protected Gold Clusters: Opening the Door to Quality, Quantity, and New Structures. <i>Journal of the American Chemical Society</i> , 2017, 139, 4168-4174.	13.7	70
20	Magnetic Ordering in Gold Nanoclusters. <i>ACS Omega</i> , 2017, 2, 2607-2617.	3.5	69
21	Gold Fusion: From Au ₂₅ (SR) ₁₈ to Au ₃₈ (SR) ₂₄ , the Most Unexpected Transformation of a Very Stable Nanocluster. <i>ACS Nano</i> , 2018, 12, 7057-7066.	14.6	69
22	Electron transfer catalysis with monolayer protected Au ₂₅ clusters. <i>Nanoscale</i> , 2012, 4, 5333.	5.6	62
23	Intramolecular, Intermolecular, and Heterogeneous Nonadiabatic Dissociative Electron Transfer to Peresters. <i>Journal of the American Chemical Society</i> , 2001, 123, 9577-9584.	13.7	56
24	Dependence of Intramolecular Dissociative Electron Transfer Rates on Driving Force in Donor-Spacer-Acceptor Systems. <i>Journal of the American Chemical Society</i> , 1998, 120, 5713-5722.	13.7	55
25	Insights into the Free-Energy Dependence of Intramolecular Dissociative Electron Transfers. <i>Journal of the American Chemical Society</i> , 2002, 124, 11503-11513.	13.7	40
26	Double-Layer Correction for Electron-Transfer Kinetics at Glassy Carbon and Mercury Electrodes in N,N-Dimethylformamide. <i>Electroanalysis</i> , 2006, 18, 363-370.	2.9	34
27	A magnetic look into the protecting layer of Au ₂₅ clusters. <i>Chemical Science</i> , 2016, 7, 6910-6918.	7.4	33
28	Effect of Orientation of the Peptide-Bridge Dipole Moment on the Properties of Fullerene-Peptide-Radical Systems. <i>Journal of the American Chemical Society</i> , 2012, 134, 10628-10637.	13.7	32
29	Understanding Electron Transfer across Negatively-Charged Aib Oligopeptides. <i>Journal of Physical Chemistry B</i> , 2005, 109, 1023-1033.	2.6	31
30	Atomically precise Au ₁₄₄ (SR) ₆₀ nanoclusters (R = Et, Pr) are capped by 12 distinct ligand types of 5-fold equivalence and display gigantic diastereotopic effects. <i>Chemical Science</i> , 2018, 9, 8796-8805.	7.4	30
31	Molecular electrochemistry of monolayer-protected clusters. <i>Current Opinion in Electrochemistry</i> , 2017, 2, 18-25.	4.8	29
32	Electron Transfer to Sulfides and Disulfides: Intrinsic Barriers and Relationship between Heterogeneous and Homogeneous Electron-Transfer Kinetics. <i>Chemistry - A European Journal</i> , 2007, 13, 7983-7995.	3.3	27
33	Understanding and controlling the efficiency of Au ₂₄ M(SR) ₁₈ nanoclusters as singlet-oxygen photosensitizers. <i>Chemical Science</i> , 2020, 11, 3427-3440.	7.4	24
34	Atomically Precise Metal Nanoclusters: Novel Building Blocks for Hierarchical Structures. <i>Chemistry - A European Journal</i> , 2021, 27, 30-38.	3.3	22
35	Insights into the Interface Between the Electrolytic Solution and the Gold Core in Molecular Au ₂₅ Clusters. <i>ChemElectroChem</i> , 2016, 3, 1237-1244.	3.4	21
36	Vibrational Coupling Modulation in <i>n</i> -Alkanethiolate Protected Au ₂₅ (SR) ₁₈ Clusters. <i>Journal of Physical Chemistry C</i> , 2016, 120, 25378-25386.	3.1	20

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37	Conformationally Constrained Functional Peptide Monolayers for the Controlled Display of Bioactive Carbohydrate Ligands. <i>Langmuir</i> , 2013, 29, 8187-8192.	3.5	17
38	Serendipitous Discovery of Peptide Dialkyl Peroxides. <i>Helvetica Chimica Acta</i> , 2002, 85, 3099-3112.	1.6	15
39	Exploring Collective Substituent Effects: Dependence of the Lifetime of Charged States of Au ₂₅ (SC _n H _{2n+1}) ₁₈ Nanoclusters on the Length of the Thiolate Ligands. <i>Electroanalysis</i> , 2016, 28, 2771-2776.	2.9	14
40	Dipole Moment Effect on the Electrochemical Desorption of Self-Assembled Monolayers of 3- α -Helicogenic Peptides on Gold. <i>ChemElectroChem</i> , 2016, 3, 2063-2070.	3.4	10
41	Electron Transfer in Films of Atomically Precise Gold Nanoclusters. <i>Chemistry of Materials</i> , 2021, 33, 4177-4187.	6.7	10
42	Insights into the Distance Dependence of Electron Transfer through Conformationally Constrained Peptides. <i>ChemElectroChem</i> , 2020, 7, 1225-1237.	3.4	8
43	Synthesis and Characterization of a Series of Homooligopeptide Peroxyesters. <i>Organic Letters</i> , 2004, 6, 2753-2756.	4.6	7
44	Dependence of nonadiabatic intramolecular dissociative electron transfers on stereochemistry and driving force. <i>Journal of Electroanalytical Chemistry</i> , 2011, 660, 234-242.	3.8	6
45	Isolation of the Au ₁₄₅ (SR) ₆₀ X compound (R = <i>n</i> -butyl, <i>n</i> -pentyl; X) Tj ETQq1 1 0.784314 rgB icosahedral Au ₁₄₄ (SR) ₆₀ compound. <i>Nanoscale</i> , 2021, 13, 15394-15402.	5.6	3
46	Dipole Moment Effect on the Electrochemical Desorption of Self-Assembled Monolayers of 3- α -Helicogenic Peptides on Gold. <i>ChemElectroChem</i> , 2016, 3, 1964-1964.	3.4	2
47	Electrochemically induced electron transfer through molecular bridges. <i>Current Opinion in Electrochemistry</i> , 2021, 28, 100700.	4.8	2
48	Double-Layer Correction for Electron-Transfer Kinetics at Glassy Carbon and Mercury Electrodes in N,N-Dimethylformamide. <i>ECS Meeting Abstracts</i> , 2006, , .	0.0	1