

Kevin G Stamplecoskie

List of Publications by Year in descending order

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57
papers

3,751
citations

249298

26
h-index

169272

56
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59
all docs

59
docs citations

59
times ranked

7264
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrovoltaic power generation from multiwalled carbon nanotubes. <i>Sustainable Energy and Fuels</i> , 2022, 6, 1141-1147.	2.5	12
2	All-Weather-Compatible Hydrovoltaic Cells Based on Al ₂ O ₃ TLC Plates. <i>ACS Omega</i> , 2022, 7, 2618-2623.	1.6	9
3	A vinylogous Norrish reaction as a strategy for light-mediated ring expansion. <i>Chemical Communications</i> , 2022, 58, 2910-2913.	2.2	1
4	FDTD Analysis of Hotspot-Enabling Hybrid Nanohole-Nanoparticle Structures for SERS Detection. <i>Biosensors</i> , 2022, 12, 128.	2.3	13
5	NHC-Stabilized Au ₁₀ Nanoclusters and Their Conversion to Au ₂₅ Nanoclusters. <i>Jacs Au</i> , 2022, 2, 875-885.	3.6	22
6	Al ₂ O ₃ anchored silver and gold nanoparticles as accessible, stable, and re-usable catalysts. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 646, 128972.	2.3	9
7	Exciting clusters, what does off-resonance actually mean?. <i>Nanoscale</i> , 2021, 13, 242-252.	2.8	6
8	Photophysics of Ag and Au alloys of M ₂₅ (SR) ₁₈ clusters. <i>Journal of Chemical Physics</i> , 2021, 155, 134301.	1.2	2
9	Water-Evaporation-Induced Electric Generator Built from Carbonized Electrospun Polyacrylonitrile Nanofiber Mats. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 50900-50910.	4.0	26
10	Shape control of silver nanoparticles and their stability on Al ₂ O ₃ . <i>Journal of Materials Chemistry C</i> , 2020, 8, 10755-10760.	2.7	11
11	Tunable Fractal Nanostructures for Surface-Enhanced Raman Scattering via Templated Electrodeposition of Silver on Low-Energy Surfaces. <i>ACS Applied Nano Materials</i> , 2020, 3, 2665-2679.	2.4	17
12	Photophysics of J-Aggregating Porphyrin-Lipid Photosensitizers in Liposomes: Impact of Lipid Saturation. <i>Langmuir</i> , 2020, 36, 5385-5393.	1.6	27
13	Electrokinetically-Driven Assembly of Gold Colloids into Nanostructures for Surface-Enhanced Raman Scattering. <i>Nanomaterials</i> , 2020, 10, 661.	1.9	11
14	Light-Activated Peptide-Based Materials for Sutureless Wound Closure. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45007-45015.	4.0	7
15	Robust, Highly Luminescent Au ₁₃ Superatoms Protected by N-Heterocyclic Carbenes. <i>Journal of the American Chemical Society</i> , 2019, 141, 14997-15002.	6.6	185
16	Light activated synthesis of the atomically precise fluorescent silver cluster Ag ₁₈ (Capt) ₁₄ . <i>Nanoscale</i> , 2019, 11, 20522-20526.	2.8	11
17	Photovoltaics as an Experimental Tool for Determining Frontier Orbital Energies and Photocatalytic Activity of Thiol Protected Gold Clusters. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13738-13744.	1.5	15
18	Norrish type I photochemistry as a powerful tool in the isolation of thiol protected Au ₂₅ SR ₁₈ clusters. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 353, 251-254.	2.0	8

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19	The power of fluorescence excitation-emission matrix (EEM) spectroscopy in the identification and characterization of complex mixtures of fluorescent silver clusters. <i>RSC Advances</i> , 2018, 8, 42080-42086.	1.7	20
20	Experimental Evidence for a Triplet Biradical Excited-State Mechanism in the Photoreactivity of N,C-Chelate Organoboron Compounds. <i>Journal of Physical Chemistry A</i> , 2018, 122, 9267-9274.	1.1	14
21	Impact of Ferrocene Substitution on the Electronic Properties of BODIPY Derivatives and Analogues. <i>Inorganic Chemistry</i> , 2018, 57, 14698-14704.	1.9	6
22	Identifying (BN) ₂ -pyrenes as a New Class of Singlet Fission Chromophores: Significance of Azaborine Substitution. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2919-2927.	2.1	28
23	Tribute to Prashant V. Kamat. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13205-13206.	1.5	0
24	Effect of nanosilver surfaces on peptide reactivity towards reactive oxygen species. <i>Nanoscale</i> , 2018, 10, 15911-15917.	2.8	5
25	A Single Model for the Excited-State Dynamics of Au ₁₈ (SR) ₁₄ and Au ₂₅ (SR) ₁₈ Clusters. <i>Journal of Physical Chemistry A</i> , 2018, 122, 7014-7022.	1.1	14
26	Wavelength-Dependent Ultrafast Charge Carrier Separation in the WO ₃ /BiVO ₄ Coupled System. <i>ACS Energy Letters</i> , 2017, 2, 1362-1367.	8.8	103
27	Two Distinct Transitions in Cu _x InS ₂ Quantum Dots. Bandgap versus Sub-Bandgap Excitations in Copper-Deficient Structures. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1452-1459.	2.1	123
28	Optimizing molecule-like gold clusters for light energy conversion. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2075-2081.	5.2	30
29	How Lead Halide Complex Chemistry Dictates the Composition of Mixed Halide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1368-1373.	2.1	160
30	Photochemical synthesis of biocompatible and antibacterial silver nanoparticles embedded within polyurethane polymers. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 661-664.	1.6	16
31	Silver Nanoparticles: From Bulk Material to Colloidal Nanoparticles. <i>Engineering Materials</i> , 2015, , 1-12.	0.3	2
32	Synergistic Effects in the Coupling of Plasmon Resonance of Metal Nanoparticles with Excited Gold Clusters. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1870-1875.	2.1	33
33	Dynamics of Photogenerated Charge Carriers in WO ₃ /BiVO ₄ Heterojunction Photoanodes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 20792-20800.	1.5	203
34	Boosting the Photovoltage of Dye-Sensitized Solar Cells with Thiolated Gold Nanoclusters. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 217-223.	2.1	78
35	Dual nature of the excited state in organic-inorganic lead halide perovskites. <i>Energy and Environmental Science</i> , 2015, 8, 208-215.	15.6	351
36	Size-Dependent Photovoltaic Performance of CuInS ₂ Quantum Dot-Sensitized Solar Cells. <i>Chemistry of Materials</i> , 2014, 26, 7221-7228.	3.2	206

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37	“From the mole to the molecule”: ruthenium catalyzed nitroarene reduction studied with “bench”, high-throughput and single molecule fluorescence techniques. <i>Catalysis Science and Technology</i> , 2014, 4, 1989-1996.	2.1	20
38	Facile SILAR Approach to Air-Stable Naked Silver and Gold Nanoparticles Supported by Alumina. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 17489-17495.	4.0	18
39	Size-Dependent Excited State Behavior of Glutathione-Capped Gold Clusters and Their Light-Harvesting Capacity. <i>Journal of the American Chemical Society</i> , 2014, 136, 11093-11099.	6.6	238
40	Self-Assembled Dipole Nanolasers. <i>Journal of the American Chemical Society</i> , 2014, 136, 2956-2959.	6.6	16
41	Excited-State Behavior of Luminescent Glutathione-Protected Gold Clusters. <i>Journal of Physical Chemistry C</i> , 2014, 118, 1370-1376.	1.5	147
42	Sensitized excited free-radical processes as read/write tools: impact on non-linear lithographic processes. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14873.	1.3	4
43	Human serum albumin as protecting agent of silver nanoparticles: role of the protein conformation and amine groups in the nanoparticle stabilization. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	58
44	Can Surface Plasmon Fields Provide a New Way to Photosensitize Organic Photoreactions? From Designer Nanoparticles to Custom Applications. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1177-1187.	2.1	75
45	Plasmon mediated polymerization on the surface of silver nanoparticles for advancements in photolithographic patterning. , 2012, , .		1
46	Dual-Stage Lithography from a Light-Driven, Plasmon-Assisted Process: A Hierarchical Approach to Subwavelength Features. <i>Langmuir</i> , 2012, 28, 10957-10961.	1.6	18
47	Interplay between Size, Composition, and Phase Transition of Nanocrystalline Cr ³⁺ -Doped BaTiO ₃ as a Path to Multiferroism in Perovskite-Type Oxides. <i>Journal of the American Chemical Society</i> , 2012, 134, 1136-1146.	6.6	58
48	Photochemical Norrish type I reaction as a tool for metal nanoparticle synthesis: importance of proton coupled electron transfer. <i>Chemical Communications</i> , 2012, 48, 4798.	2.2	138
49	The biocompatibility and antibacterial properties of collagen-stabilized, photochemically prepared silver nanoparticles. <i>Biomaterials</i> , 2012, 33, 4947-4956.	5.7	200
50	Silver as an Example of the Applications of Photochemistry to the Synthesis and Uses of Nanomaterials. <i>Photochemistry and Photobiology</i> , 2012, 88, 762-768.	1.3	58
51	Kinetics of the Formation of Silver Dimers: Early Stages in the Formation of Silver Nanoparticles. <i>Journal of the American Chemical Society</i> , 2011, 133, 3913-3920.	6.6	53
52	Plasmon-Mediated Photopolymerization Maps Plasmon Fields for Silver Nanoparticles. <i>Journal of the American Chemical Society</i> , 2011, 133, 9160-9163.	6.6	43
53	Tuning plasmon transitions and their applications in organic photochemistry. <i>Pure and Applied Chemistry</i> , 2011, 83, 913-930.	0.9	38
54	Optimal Size of Silver Nanoparticles for Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2011, 115, 1403-1409.	1.5	332

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55	Light Emitting Diode Irradiation Can Control the Morphology and Optical Properties of Silver Nanoparticles. <i>Journal of the American Chemical Society</i> , 2010, 132, 1825-1827.	6.6	365
56	General Control of Transition-Metal-Doped GaN Nanowire Growth: Toward Understanding the Mechanism of Dopant Incorporation. <i>Nano Letters</i> , 2008, 8, 2674-2681.	4.5	56
57	Dopant Ion Concentration Dependence of Growth and Faceting of Manganese-Doped GaN Nanowires. <i>Journal of the American Chemical Society</i> , 2007, 129, 10980-10981.	6.6	29