Juan C Scaiano

List of Publications by Year
in descending order

693 papers	28,504 citations	6592 79 h-index	17055 122 g-index
880 all docs	880 docs citations	880 times ranked	18992 citing authors

#	Article	IF	Citations
1	Light Photochemistry. ACS in Focus, 2022, , .	0.4	4
2	Photosensitized selective semi-oxidation of tetrahydroisoquinoline: a singlet oxygen path. Photochemical and Photobiological Sciences, 2022, , .	1.6	4
3	Decoration of glass wool with zinc (II) phthalocyanine for the photocatalytic transformation of methyl orange. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 432, 114127.	2.0	5
4	Mechanistic Insights on the Semihydrogenation of Alkynes over Different Nanostructured Photocatalysts. ACS Catalysis, 2021, 11, 4230-4238.	5.5	7
5	Solar Driven Photocatalytic Activity of Porphyrin Sensitized TiO2: Experimental and Computational Studies. Molecules, 2021, 26, 3131.	1.7	8
6	Scale-up of a photochemical flow reactor for the production of lignin-coated titanium dioxide as a sunscreen ingredient. Journal of Photochemistry and Photobiology, 2021, 7, 100040.	1.1	3
7	Unveiling the Mechanism for the Photochemistry and Photodegradation of Vanillin. Photochemistry and Photobiology, 2021, , .	1.3	4
8	Photoenolization as a convenient driver for the synthesis of plasmonic nanostructures. Photochemical and Photobiological Sciences, 2021, 20, 1611-1619.	1.6	1
9	Photoprotection and Photostability of a New Lignin-Gelatin-Baccharis antioquensis-Based Hybrid Biomaterial. Antioxidants, 2021, 10, 1904.	2.2	3
10	Nitro to amine reductions using aqueous flow catalysis under ambient conditions. IScience, 2021, 24, 103472.	1.9	10
11	A green road map for heterogeneous photocatalysis. Pure and Applied Chemistry, 2020, 92, 63-73.	0.9	4
12	Decorated titania fibers as photocatalysts for hydrogen generation and organic matter degradation. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 388, 112185.	2.0	7
13	Photochemical benzylic radical arylation promoted by supported Pd nanostructures. Organic and Biomolecular Chemistry, 2020, 18, 6047-6052.	1.5	6
14	Heterogeneous photocatalysis of azides: extending nitrene photochemistry to longer wavelengths. Chemical Communications, 2020, 56, 10239-10242.	2.2	10
15	Evaluation of different Niâ€“semiconductor composites as electrodes for enhanced hydrogen evolution reaction. Sustainable Energy and Fuels, 2020, 4, 3963-3970.	2.5	8
16	Glass wool supported ruthenium complexes: versatile, recyclable heterogeneous photoredox catalysts. Catalysis Science and Technology, 2020, 10, 1273-1280.	2.1	26
17	Real-time fluorescence imaging of a heterogeneously catalysed Suzukiâ€“Miyaura reaction. Nature Catalysis, 2020, 3, 427-437.	16.1	43
18	Spectroscopic and Time-Dependent DFT Study of the Photophysical Properties of Substituted 1,4-Distyrylbenzenes. Journal of Physical Chemistry A, 2019, 123, 6496-6505.	1.1	7

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19	Cobalt-molybdenum co-catalyst for heterogeneous photocatalytic H-mediated transformations. Journal of Catalysis, 2019, 379, 33-38.	3.1	10
20	Photochemical Dehalogenation of Aryl Halides: Importance of Halogen Bonding. Journal of Physical Chemistry A, 2019, 123, 10224-10229.	1.1	14
21	Catalytic farming: reaction rotation extends catalyst performance. Chemical Science, 2019, 10, 1419-1425.	3.7	18
22	Highly Electrophilic Titania Hole as a Versatile and Efficient Photochemical Free Radical Source. Journal of the American Chemical Society, 2019, 141, 4531-4535.	6.6	22
23	Dressing up for the occasion: the many faces of decorated titanium dioxide in photocatalysis. , 2019, , 73-108.		0
24	Heterogeneous Dual Photoredox-Lewis Acid Catalysis Using a Single Bifunctional Nanomaterial. ACS Catalysis, 2018, 8, 2914-2922.	5.5	23
25	Selective Photoinduced Antibacterial Activity of Amoxicillin-Coated Gold Nanoparticles: From One-Step Synthesis to in Vivo Cytocompatibility. ACS Omega, 2018, 3, 1220-1230.	1.6	55
26	Photocatalytic Hydrogen Generation Using Metal-Decorated TiO₂: Sacrificial Donors vs True Water Splitting. ACS Energy Letters, 2018, 3, 542-545.	8.8	113
27	Light-Induced Sonogashira Câ€“C Coupling under Mild Conditions Using Supported Palladium Nanoparticles. ACS Sustainable Chemistry and Engineering, 2018, 6, 1717-1722.	3.2	50
28	Biocompatibility and photo-induced antibacterial activity of lignin-stabilized noble metal nanoparticles. RSC Advances, 2018, 8, 40454-40463.	1.7	46
29	How Fast Can Thiols Bind to the Gold Nanoparticle Surface?. Photochemistry and Photobiology, 2018, 94, 1109-1115.	1.3	11
30	Editorial. Photochemistry and Photobiology, 2018, 94, 1085-1085.	1.3	0
31	Glass wool: a novel support for heterogeneous catalysis. Chemical Science, 2018, 9, 6844-6852.	3.7	30
32	Expanding the Color Space in the Two-Color Heterogeneous Photocatalysis of Ullmann Câ€“C Coupling Reactions. ACS Catalysis, 2018, 8, 7593-7597.	5.5	33
33	Heterogeneous Titania-Photoredox/Nickel Dual Catalysis: Decarboxylative Cross-Coupling of Carboxylic Acids with Aryl Iodides. ACS Catalysis, 2017, 7, 2171-2175.	5.5	34
34	Photophysics of 7-mercapto-4-methylcoumarin and derivatives: complementary fluorescence behaviour to 7-hydroxycoumarins. Photochemical and Photobiological Sciences, 2017, 16, 1284-1289.	1.6	15
35	Reaction Kinetics of Phenolic Antioxidants toward Photoinduced Pyranine Free Radicals in Biological Models. Journal of Physical Chemistry B, 2017, 121, 6331-6340.	1.2	7
36	Is Single-Molecule Fluorescence Spectroscopy Ready To Join the Organic Chemistry Toolkit? A Test Case Involving Click Chemistry. Journal of Organic Chemistry, 2017, 82, 5011-5019.	1.7	13

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37	Titanium dioxide visible light photocatalysis: surface association enables photocatalysis with visible light irradiation. Chemical Communications, 2017, 53, 4335-4338.	2.2	88
38	From the molecule to the mole: improving heterogeneous copper catalyzed click chemistry using single molecule spectroscopy. Chemical Communications, 2017, 53, 328-331.	2.2	13
39	Plasmon heating mediated Friedel-Crafts alkylation of anisole using supported AuNP@Nb2O5 catalysts. Tetrahedron Letters, 2017, 58, 427-431.	0.7	3
40	Thiol-Stabilized Gold Nanoparticles: New Ways To Displace Thiol Layers Using Yttrium or Lanthanide Chlorides. Langmuir, 2017, 33, 12149-12154.	1.6	13
41	The photochemical alkylation and reduction of heteroarenes. Chemical Science, 2017, 8, 7412-7418.	3.7	77
42	Visible Light Production of Hydrogen by Ablated Graphene: Water Splitting or Carbon Gasification?. Journal of the American Chemical Society, 2017, 139, 11024-11027.	6.6	12
43	Photocatalytic Indole Dielsâ€“Alder Cycloadditions Mediated by Heterogeneous Platinum-Modified Titanium Dioxide. ACS Catalysis, 2017, 7, 6440-6444.	5.5	50
44	Photoinduced Hydrogen Fuel Production and Water Decontamination Technologies. Orthogonal Strategies with a Parallel Future?. ACS Energy Letters, 2017, 2, 1909-1910.	8.8	7
45	Click Chemistry: Mechanistic Insights into the Role of Amines Using Single-Molecule Spectroscopy. ACS Catalysis, 2017, 7, 8487-8492.	5.5	12
46	A database on the stability of silver and gold nanostructures for applications in biology and biomolecular sciences. Biomaterials Science, 2017, 5, 89-97.	2.6	7
47	Tunable Photocatalytic Activity of Palladium-Decorated TiO₂: Non-Hydrogen-Mediated Hydrogenation or Isomerization of Benzyl-Substituted Alkenes. ACS Catalysis, 2017, 7, 250-255.	5.5	38
48	Library of Cationic Organic Dyes for Visible-Light-Driven Photoredox Transformations. ACS Omega, 2016, 1, 66-76.	1.6	86
49	Visible and Near-Infrared Plasmon-Mediated Molecular Release from Cucurbit[6]uril Mesoporous Gated Systems. Langmuir, 2016, 32, 13764-13770.	1.6	7
50	Understanding the Kinetics and Spectroscopy of Photoredox Catalysis and Transition-Metal-Free Alternatives. Accounts of Chemical Research, 2016, 49, 1320-1330.	7.6	172
51	Nitroxide amide-BODIPY probe behavior in fibroblasts analyzed by advanced fluorescence microscopy. Organic and Biomolecular Chemistry, 2016, 14, 4023-4026.	1.5	9
52	Heterogeneous Photocatalytic Click Chemistry. Journal of the American Chemical Society, 2016, 138, 13127-13130.	6.6	82
53	Improving the Sunscreen Properties of TiO₂ through an Understanding of Its Catalytic Properties. ACS Omega, 2016, 1, 464-469.	1.6	94
54	Catalyst Decomposition during Olefin Metathesis Yields Isomerization-Active Ruthenium Nanoparticles. ChemCatChem, 2016, 8, 2424-2424.	1.8	3

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55	Single molecule study of samarium oxide nanoparticles as a purely heterogeneous catalyst for one-pot aldehyde chemistry. Catalysis Science and Technology, 2016, 6, 7113-7121.	2.1	10
56	Catalyst Decomposition during Olefin Metathesis Yields Isomerizationâ€Active Ruthenium Nanoparticles. ChemCatChem, 2016, 8, 2446-2449.	1.8	54
57	Tetrahydropyranyl protection and deprotection of alcohols using a niobium-based BrÃ¸nsted acid catalyst. Canadian Journal of Chemistry, 2016, 94, 712-714.	0.6	4
58	Twoâ€Photon Excitation of a Plasmonic Nanoswitch Monitored by Singleâ€Molecule Fluorescence Microscopy. Chemistry - A European Journal, 2016, 22, 7281-7287.	1.7	15
59	A Mechanistic Study of Halogen Addition and Photoelimination from Ï€-Conjugated Tellurophenes. Journal of the American Chemical Society, 2016, 138, 2678-2689.	6.6	38
60	Dye synthesis in the Pechmann reaction: catalytic behaviour of samarium oxide nanoparticles studied using single molecule fluorescence microscopy. Chemical Science, 2016, 7, 1314-1321.	3.7	34
61	Polynuclear gold(<scp>i</scp>) complexes in photoredox catalysis: understanding their reactivity through characterization and kinetic analysis. Catalysis Science and Technology, 2016, 6, 201-207.	2.1	51
62	Ultra-high density optical data storage in common transparent plastics. Scientific Reports, 2016, 6, 26163.	1.6	61
63	Visible-Light Actinometry and Intermittent Illumination as Convenient Tools to Study Ru(bpy)3Cl2 Mediated Photoredox Transformations. Scientific Reports, 2015, 5, 16397.	1.6	86
64	Photochemical synthesis of biocompatible and antibacterial silver nanoparticles embedded within polyurethane polymers. Photochemical and Photobiological Sciences, 2015, 14, 661-664.	1.6	16
65	Plasmon induced self-assembly of gold nanorods in polymer films. Chemical Communications, 2015, 51, 1911-1913.	2.2	5
66	Heterogeneous photocatalytic Câ€“C coupling: mechanism of plasmon-mediated reductive dimerization of benzyl bromides by supported gold nanoparticles. Catalysis Science and Technology, 2015, 5, 4336-4340.	2.1	30
67	Thermoplasmonic ssDNA Dynamic Release from Gold Nanoparticles Examined with Advanced Fluorescence Microscopy. Journal of Physical Chemistry Letters, 2015, 6, 1499-1503.	2.1	10
68	Study of Single Catalytic Events at Copper-in-Charcoal: Localization of Click Activity Through Subdiffraction Observation of Single Catalytic Events. Journal of Physical Chemistry Letters, 2015, 6, 4049-4053.	2.1	15
69	Safety and efficacy of composite collagenâ€“silver nanoparticle hydrogels as tissue engineering scaffolds. Nanoscale, 2015, 7, 18789-18798.	2.8	83
70	Photochemical synthesis and characterization of novel samarium oxide nanoparticles: toward a heterogeneous BrÃ¸nsted acid catalyst. RSC Advances, 2015, 5, 3728-3732.	1.7	24
71	Mechanistic insights into the Nb2O5 and niobium phosphate catalyzed in situ condensation of a fluorescent halochromic assembly. Catalysis Science and Technology, 2015, 5, 169-175.	2.1	14
72	Heterogeneous Lightâ€Mediated Reductive Dehalogenations and Cyclizations Utilizing Platinum Nanoparticles on Titania (PtNP@TiO₂). Advanced Synthesis and Catalysis, 2014, 356, 2819-2824.	2.1	35

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73	Aspartame-Stabilized Goldâ€“Silver Bimetallic Biocompatible Nanostructures with Plasmonic Photothermal Properties, Antibacterial Activity, and Long-Term Stability. Journal of the American Chemical Society, 2014, 136, 17394-17397.	6.6	140
74	Electron transfer from the benzophenone triplet excited state directs the photochemical synthesis of gold nanoparticles. Photochemical and Photobiological Sciences, 2014, 13, 149-153.	1.6	13
75	Photocatalytic Dehalogenation of Vicinal Dibromo Compounds Utilizing Sexithiophene and Visible-Light Irradiation. ACS Catalysis, 2014, 4, 4034-4039.	5.5	47
76	Mild synthesis of mesoporous silica supported ruthenium nanoparticles as heterogeneous catalysts in oxidative Wittig coupling reactions. Catalysis Science and Technology, 2014, 4, 435-440.	2.1	42
77	Silica nanoreactors from silylated riboflavin for efficient singlet oxygen delivery. Journal of Materials Chemistry B, 2014, 2, 4221.	2.9	7
78	LL37 peptide@silver nanoparticles: combining the best of the two worlds for skin infection control. Nanoscale, 2014, 6, 5725-5728.	2.8	60
79	â€˜From the mole to the moleculeâ€™: ruthenium catalyzed nitroarene reduction studied with â€˜benchâ€™, high-throughput and single molecule fluorescence techniques. Catalysis Science and Technology, 2014, 4, 1989-1996.	2.1	20
80	NIR excitation of upconversion nanohybrids containing a surface grafted Bodipy induces oxygen-mediated cancer cell death. Journal of Materials Chemistry B, 2014, 2, 4554-4563.	2.9	40
81	Synthesis, acid properties and catalysis by niobium oxide nanostructured materials. Catalysis Science and Technology, 2014, 4, 3044-3052.	2.1	42
82	Copper nanoparticle heterogeneous catalytic â€˜clickâ€™ cycloaddition confirmed by single-molecule spectroscopy. Nature Communications, 2014, 5, 4612.	5.8	121
83	Metal-Free Photocatalytic Radical Trifluoromethylation Utilizing Methylene Blue and Visible Light Irradiation. ACS Catalysis, 2014, 4, 2530-2535.	5.5	207
84	Epoxidation of stilbene using supported gold nanoparticles: cumyl peroxyl radical activation at the gold nanoparticle surface. Chemical Communications, 2014, 50, 2289.	2.2	11
85	Self-Assembled Dipole Nanolasers. Journal of the American Chemical Society, 2014, 136, 2956-2959.	6.6	16
86	Insights into the Mechanism of Cumene Peroxidation Using Supported Gold and Silver Nanoparticles. ACS Catalysis, 2013, 3, 2062-2071.	5.5	28
87	Plasmon Excitation of Supported Gold Nanoparticles Can Control Molecular Release from Supramolecular Systems. Langmuir, 2013, 29, 10521-10528.	1.6	9
88	Size-controlled photochemical synthesis of niobium nanoparticles. Dalton Transactions, 2013, 42, 14049.	1.6	6
89	Hybrid Nanomaterials: Anchoring Magnetic Molecules on Naked Gold Nanocrystals. Inorganic Chemistry, 2013, 52, 14411-14418.	1.9	25
90	Active participation of amine-derived radicals in photoredox catalysis as exemplified by a reductive cyclization. Catalysis Science and Technology, 2013, 3, 935.	2.1	38

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91	Mechanistic Insights and Kinetic Analysis for the Oxidative Hydroxylation of Arylboronic Acids by Visible Light Photoredox Catalysis: A Metal-Free Alternative. Journal of the American Chemical Society, 2013, 135, 13286-13289.	6.6	241
92	Impact of Dyeâ€Protein Interaction and Silver Nanoparticles on Rose Bengal Photophysical Behavior and Protein Photocrosslinking. Photochemistry and Photobiology, 2013, 89, 1433-1441.	1.3	18
93	Sensitized excited free-radical processes as readâ€“write tools: impact on non-linear lithographic processes. Physical Chemistry Chemical Physics, 2013, 15, 14873.	1.3	4
94	Human serum albumin as protecting agent of silver nanoparticles: role of the protein conformation and amine groups in the nanoparticle stabilization. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	58
95	Can Surface Plasmon Fields Provide a New Way to Photosensitize Organic Photoreactions? From Designer Nanoparticles to Custom Applications. Journal of Physical Chemistry Letters, 2013, 4, 1177-1187.	2.1	75
96	Oxidation of copper nanoparticles in water: mechanistic insights revealed by oxygen uptake and spectroscopic methods. Dalton Transactions, 2013, 42, 5832.	1.6	53
97	Single component photoacid/photobase generators: potential applications in double patterning photolithography. Journal of Materials Chemistry C, 2013, 1, 2657.	2.7	15
98	Rapid one-pot propargylamine synthesis by plasmon mediated catalysis with gold nanoparticles on ZnO under ambient conditions. Chemical Communications, 2013, 49, 1732.	2.2	79
99	CO2 switchable nanoparticles: reversible water/organic-phase exchange of gold nanoparticles by gas bubbling. RSC Advances, 2013, 3, 4867.	1.7	11
100	Supported Gold Nanoparticles as Efficient Catalysts in the Solventless Plasmon Mediated Oxidation of sec-Phenethyl and Benzyl Alcohol. Journal of Physical Chemistry C, 2013, 117, 12279-12288.	1.5	56
101	Gold nanoparticle catalysis of the cisâ€“trans isomerization of azobenzene. Chemical Communications, 2013, 49, 10073.	2.2	73
102	Plasmon mediated polymerization on the surface of silver nanoparticles for advancements in photolithographic patterning. , 2012, , .		1
103	Ionic carbamate photoacid/photobase generators for the advancement of dual-tone photolithography. Proceedings of SPIE, 2012, , .	0.8	2
104	Photochemical Strategies for the Seed-Mediated Growth of Gold and Goldâ€“Silver Nanoparticles. Langmuir, 2012, 28, 16148-16155.	1.6	53
105	Design of xanthone propionate photolabile protecting group releasing acyclovir for the treatment of ocular herpes simplex virus. Photochemical and Photobiological Sciences, 2012, 11, 539-547.	1.6	5
106	Coumarin 314 Free Radical Cation: Formation, Properties, and Reactivity toward Phenolic Antioxidants. Journal of Physical Chemistry A, 2012, 116, 199-206.	1.1	15
107	Photooxidation of 9-Anthraldehyde Catalyzed by Gold Nanoparticles: Solution and Single Nanoparticle Studies Using Fluorescence Lifetime Imaging. Journal of Physical Chemistry C, 2012, 116, 24373-24379.	1.5	42
108	Ultraclean Derivatized Monodisperse Gold Nanoparticles through Laser Drop Ablation Customization of Polymorph Gold Nanostructures. Langmuir, 2012, 28, 8183-8189.	1.6	24

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109	Reaction Mechanism in Crystalline Solids: Kinetics and Conformational Dynamics of the Norrish Type II Biradicals from Î±-Adamantyl-p-Methoxyacetophenone. Journal of the American Chemical Society, 2012, 134, 1115-1123.	6.6	16
110	Dual-Stage Lithography from a Light-Driven, Plasmon-Assisted Process: A Hierarchical Approach to Subwavelength Features. Langmuir, 2012, 28, 10957-10961.	1.6	18
111	Photochemical Norrish type I reaction as a tool for metal nanoparticle synthesis: importance of proton coupled electron transfer. Chemical Communications, 2012, 48, 4798.	2.2	138
112	Unexpected solvent isotope effect on the triplet lifetime of methylene blue associated to cucurbit[7]uril. Photochemical and Photobiological Sciences, 2012, 11, 269-273.	1.6	18
113	The biocompatibility and antibacterial properties of collagen-stabilized, photochemically prepared silver nanoparticles. Biomaterials, 2012, 33, 4947-4956.	5.7	200
114	Silver as an Example of the Applications of Photochemistry to the Synthesis and Uses of Nanomaterials^{â€,â€¡}. Photochemistry and Photobiology, 2012, 88, 762-768.	1.3	58
115	Steady state and transient kinetics in crystalline solids: the photochemistry of nanocrystalline 1,1,3-triphenyl-3-hydroxy-2-indanone. Chemical Science, 2011, 2, 1497.	3.7	17
116	High-Temperature Organic Reactions at Room Temperature Using Plasmon Excitation: Decomposition of Dicumyl Peroxide. Organic Letters, 2011, 13, 204-207.	2.4	135
117	Opportunistic use of tetrachloroaurate photolysis in the generation of reductive species for the production of gold nanostructures. Physical Chemistry Chemical Physics, 2011, 13, 11914.	1.3	36
118	Kinetics of the Formation of Silver Dimers: Early Stages in the Formation of Silver Nanoparticles. Journal of the American Chemical Society, 2011, 133, 3913-3920.	6.6	53
119	Plasmon-Mediated Photopolymerization Maps Plasmon Fields for Silver Nanoparticles. Journal of the American Chemical Society, 2011, 133, 9160-9163.	6.6	43
120	Reduction of resazurin to resorufin catalyzed by gold nanoparticles: dramatic reaction acceleration by laser or LED plasmon excitation. Catalysis Science and Technology, 2011, 1, 1506.	2.1	37
121	Tuning plasmon transitions and their applications in organic photochemistry. Pure and Applied Chemistry, 2011, 83, 913-930.	0.9	38
122	Photophysics and photochemistry of aflatoxins B1 and B2. Photochemical and Photobiological Sciences, 2011, 10, 1701-1708.	1.6	12
123	Photochemical Synthesis of a Water Oxidation Catalyst Based on Cobalt Nanostructures. Journal of the American Chemical Society, 2011, 133, 16742-16745.	6.6	87
124	Plasmon-Mediated Catalytic Oxidation of sec-Phenethyl and Benzyl Alcohols. Journal of Physical Chemistry C, 2011, 115, 10784-10790.	1.5	88
125	Photophysical behaviour and photodynamic activity of zinc phthalocyanines associated to liposomes. Photochemical and Photobiological Sciences, 2011, 10, 507-514.	1.6	60
126	Optimal Size of Silver Nanoparticles for Surface-Enhanced Raman Spectroscopy. Journal of Physical Chemistry C, 2011, 115, 1403-1409.	1.5	332

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127	Lumiestrone is Photochemically Derived from Estrone and may be Released to the Environment without Detection. Frontiers in Endocrinology, 2011, 2, 83.	1.5	29
128	Dry photochemical synthesis of hydrotalcite, Î³-Al2O3 and TiO2 supported gold nanoparticle catalysts. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 224, 8-15.	2.0	23
129	Accurate Oâ˜H Bond Dissociation Energy Differences of Hydroxylamines Determined by EPR Spectroscopy: Computational Insight into Stereoelectronic Effects on BDEs and EPR Spectral Parameters. Journal of Organic Chemistry, 2011, 76, 631-636.	1.7	18
130	Effect of Î³-radiation on green onion DNA integrity: Role of ascorbic acid and polyphenols against nucleic acid damage. Food Chemistry, 2011, 128, 735-741.	4.2	21
131	Twoâ€Photon Chemistry in Ruthenium 2,2â€²â€Bipyridylâ€Functionalized Singleâ€Wall Carbon Nanotubes. Chemistry - A European Journal, 2010, 16, 7282-7292.	1.7	15
132	Effects of bio-compatible metal ions on rufloxacin photochemistry, photophysics and photosensitization: Copper(II). Journal of Photochemistry and Photobiology B: Biology, 2010, 101, 295-303.	1.7	4
133	Reducing Adverse Effects from UV Sunscreens by Zeolite Encapsulation: Comparison of Oxybenzone in Solution and in Zeolites. Photochemistry and Photobiology, 2010, 86, 153-161.	1.3	28
134	Synthesis of copper nanoparticles mediated by photogenerated free radicals: catalytic role of chloride anions. Photochemical and Photobiological Sciences, 2010, 9, 766.	1.6	47
135	Photophysics and photochemistry of dyes bound to human serum albumin are determined by the dye localization. Photochemical and Photobiological Sciences, 2010, 9, 93-102.	1.6	61
136	Photobehavior of merocyanine 540 bound to human serum albumin. Photochemical and Photobiological Sciences, 2010, 9, 861-869.	1.6	43
137	Light Emitting Diode Irradiation Can Control the Morphology and Optical Properties of Silver Nanoparticles. Journal of the American Chemical Society, 2010, 132, 1825-1827.	6.6	365
138	Stereoselective Interaction of Epimeric Naproxen-RGD Peptides with Human Serum Albumin. Biomacromolecules, 2010, 11, 2255-2260.	2.6	21
139	Surface Plasmons Control the Dynamics of Excited Triplet States in the Presence of Gold Nanoparticles. Journal of the American Chemical Society, 2010, 132, 6298-6299.	6.6	68
140	Photophysical characterization of atorvastatin (LipitorÂ®) ortho-hydroxy metabolite: role of hydroxyl group on the drug photochemistry. Photochemical and Photobiological Sciences, 2010, 9, 1378.	1.6	13
141	On-off QD switch that memorizes past recovery from quenching by diazonium salts. Physical Chemistry Chemical Physics, 2010, 12, 9757.	1.3	6
142	Photoinduced Formation and Characterization of Electronâ€“Hole Pairs in Azaxanthyliumâ€Derivatized Short Singleâ€Walled Carbon Nanotubes. Chemistry - A European Journal, 2009, 15, 8751-8759.	1.7	11
143	Nearâ€Infrared Emission Quantum Yield of Soluble Short Singleâ€Walled Carbon Nanotubes. ChemPhysChem, 2009, 10, 1305-1310.	1.0	5
144	Collagenâ€“phosphorylcholine interpenetrating network hydrogels as corneal substitutes. Biomaterials, 2009, 30, 1551-1559.	5.7	171

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145	Solvent-Independent Antioxidant Activity from Thermally Generated Carbon-Centered Radical Antioxidants. Organic Letters, 2009, 11, 3634-3637.	2.4	18
146	How Drug Photodegradation Studies Led to the Promise of New Therapies and Some Fundamental Carbanion Reaction Dynamics along the Way. Accounts of Chemical Research, 2009, 42, 599-607.	7.6	56
147	Raising the Ceiling of Diastereoselectivity in Hydrogen Transfer on Acyclic Radicals. Journal of Organic Chemistry, 2009, 74, 2438-2446.	1.7	11
148	Lithography Based on Memory Effects Resulting from Photoinduced Self-Assembly of Pyrene Dimers in Thin Polymer Films. Chemistry of Materials, 2009, 21, 3933-3940.	3.2	7
149	Facile Photochemical Synthesis and Characterization of Highly Fluorescent Silver Nanoparticles. Journal of the American Chemical Society, 2009, 131, 13972-13980.	6.6	204
150	Cucurbituril complexes cross the cell membrane. Photochemical and Photobiological Sciences, 2009, 8, 1743-1747.	1.6	101
151	Covalent Functionalization of Short, Single-Wall Carbon Nanotubes: Photophysics of 2,4,6-Triphenylpyrylium Attached to the Nanotube Walls. Chemistry of Materials, 2009, 21, 884-890.	3.2	21
152	Photochemical routes to silver and gold nanoparticles. Pure and Applied Chemistry, 2009, 81, 635-647.	0.9	90
153	Fluorescence quenching of CdSequantum dots by tertiary amines and their surface binding effect. Photochemical and Photobiological Sciences, 2009, 8, 70-74.	1.6	29
154	Photolabile Protecting Groups Based on the Singlet State Photodecarboxylation of Xanthone Acetic Acid. Journal of the American Chemical Society, 2009, 131, 4127-4135.	6.6	36
155	Methylene Blue Encapsulation in Cucurbit[7]uril: Laser Flash Photolysis and Near-IR Luminescence Studies of the Interaction with Oxygen. Langmuir, 2009, 25, 10490-10494.	1.6	74
156	Band gap effect on the photocatalytic activity of supramolecular structures obtained by entrapping photosensitizers in different inorganic supports. Physical Chemistry Chemical Physics, 2009, 11, 5569.	1.3	24
157	7-Mercapto-4-methylcoumarin as a reporter of thiol binding to the CdSe quantum dot surface. Chemical Communications, 2009, , 3202.	2.2	17
158	Photochemical Strategies for the Facile Synthesis of Goldâ^'Silver Alloy and Coreâ^'Shell Bimetallic Nanoparticles. Journal of Physical Chemistry C, 2009, 113, 11861-11867.	1.5	143
159	Functional Macromolecules from Singleâ€Walled Carbon Nanotubes: Synthesis and Photophysical Properties of Short Singleâ€Walled Carbon Nanotubes Functionalised with 9,10â€Diphenylanthracene. Chemistry - A European Journal, 2008, 14, 5030-5038.	1.7	6
160	Nucleohomolytic Substitution at Boron: A Computational Approach. European Journal of Organic Chemistry, 2008, 2008, 4454-4459.	1.2	24
161	Recombinant human collagen for tissue engineered corneal substitutes. Biomaterials, 2008, 29, 1147-1158.	5.7	202
162	Photophysical Properties of the Prefluorescent Nitroxide Probes QT and C₃₄₃T. Photochemistry and Photobiology, 2008, 84, 1535-1542.	1.3	14

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163	Hydrogen-Transfer Reactions from Phenols to TEMPO Prefluorescent Probes in Micellar Systems. Organic Letters, 2008, 10, 2147-2150.	2.4	45
164	Direct Time-Resolved Detection of Singlet Oxygen in Zeolite-Based Photocatalysts. Langmuir, 2008, 24, 4478-4481.	1.6	25
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