

Juan C Scaiano

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

709
papers

24,580
citations

74
h-index

113
g-index

880
ext. papers

26,103
ext. citations

7.9
avg, IF

6.96
L-index

#	Paper	IF	Citations
709	Photoenolization as a convenient driver for the synthesis of plasmonic nanostructures. <i>Photochemical and Photobiological Sciences</i> , 2021 , 20, 1611-1619	4.2	0
708	Nitro to amine reductions using aqueous flow catalysis under ambient conditions.. <i>IScience</i> , 2021 , 24, 103472	6.1	2
707	Mechanistic Insights on the Semihydrogenation of Alkynes over Different Nanostructured Photocatalysts. <i>ACS Catalysis</i> , 2021 , 11, 4230-4238	13.1	0
706	Scale-up of a photochemical flow reactor for the production of lignin-coated titanium dioxide as a sunscreen ingredient. <i>Journal of Photochemistry and Photobiology</i> , 2021 , 7, 100040	0.8	0
705	Unveiling the Mechanism for the Photochemistry and Photodegradation of Vanillin. <i>Photochemistry and Photobiology</i> , 2021 ,	3.6	1
704	Evaluation of different Ni ^{II} semiconductor composites as electrodes for enhanced hydrogen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 3963-3970	5.8	3
703	Glass wool supported ruthenium complexes: versatile, recyclable heterogeneous photoredox catalysts. <i>Catalysis Science and Technology</i> , 2020 , 10, 1273-1280	5.5	12
702	Real-time fluorescence imaging of a heterogeneously catalysed Suzuki-Miyaura reaction. <i>Nature Catalysis</i> , 2020 , 3, 427-437	36.5	25
701	Decorated titania fibers as photocatalysts for hydrogen generation and organic matter degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 388, 112185	4.7	5
700	Photochemical benzylic radical arylation promoted by supported Pd nanostructures. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 6047-6052	3.9	1
699	Heterogeneous photocatalysis of azides: extending nitrene photochemistry to longer wavelengths. <i>Chemical Communications</i> , 2020 , 56, 10239-10242	5.8	3
698	A green road map for heterogeneous photocatalysis. <i>Pure and Applied Chemistry</i> , 2020 , 92, 63-73	2.1	4
697	Catalytic farming: reaction rotation extends catalyst performance. <i>Chemical Science</i> , 2019 , 10, 1419-1425	9.4	8
696	Highly Electrophilic Titania Hole as a Versatile and Efficient Photochemical Free Radical Source. <i>Journal of the American Chemical Society</i> , 2019 , 141, 4531-4535	16.4	14
695	Dressing up for the occasion: the many faces of decorated titanium dioxide in photocatalysis 2019 , 73-108		
694	Spectroscopic and Time-Dependent DFT Study of the Photophysical Properties of Substituted 1,4-Distyrylbenzenes. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 6496-6505	2.8	4
693	Cobalt-molybdenum co-catalyst for heterogeneous photocatalytic H-mediated transformations. <i>Journal of Catalysis</i> , 2019 , 379, 33-38	7.3	6

692	Photochemical Dehalogenation of Aryl Halides: Importance of Halogen Bonding. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 10224-10229	2.8	4
691	Heterogeneous Dual Photoredox-Lewis Acid Catalysis Using a Single Bifunctional Nanomaterial. <i>ACS Catalysis</i> , 2018 , 8, 2914-2922	13.1	18
690	Selective Photoinduced Antibacterial Activity of Amoxicillin-Coated Gold Nanoparticles: From One-Step Synthesis to in Vivo Cytocompatibility. <i>ACS Omega</i> , 2018 , 3, 1220-1230	3.9	41
689	Photocatalytic Hydrogen Generation Using Metal-Decorated TiO ₂ : Sacrificial Donors vs True Water Splitting. <i>ACS Energy Letters</i> , 2018 , 3, 542-545	20.1	81
688	Light-Induced Sonogashira C≡C Coupling under Mild Conditions Using Supported Palladium Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 1717-1722	8.3	36
687	Glass wool: a novel support for heterogeneous catalysis. <i>Chemical Science</i> , 2018 , 9, 6844-6852	9.4	11
686	Expanding the Color Space in the Two-Color Heterogeneous Photocatalysis of Ullmann C≡C Coupling Reactions. <i>ACS Catalysis</i> , 2018 , 8, 7593-7597	13.1	23
685	Biocompatibility and photo-induced antibacterial activity of lignin-stabilized noble metal nanoparticles.. <i>RSC Advances</i> , 2018 , 8, 40454-40463	3.7	26
684	How Fast Can Thiols Bind to the Gold Nanoparticle Surface?. <i>Photochemistry and Photobiology</i> , 2018 , 94, 1109-1115	3.6	4
683	Heterogeneous Titania-Photoredox/Nickel Dual Catalysis: Decarboxylative Cross-Coupling of Carboxylic Acids with Aryl Iodides. <i>ACS Catalysis</i> , 2017 , 7, 2171-2175	13.1	27
682	Photophysics of 7-mercapto-4-methylcoumarin and derivatives: complementary fluorescence behaviour to 7-hydroxycoumarins. <i>Photochemical and Photobiological Sciences</i> , 2017 , 16, 1284-1289	4.2	8
681	Reaction Kinetics of Phenolic Antioxidants toward Photoinduced Pyranine Free Radicals in Biological Models. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 6331-6340	3.4	6
680	Is Single-Molecule Fluorescence Spectroscopy Ready To Join the Organic Chemistry Toolkit? A Test Case Involving Click Chemistry. <i>Journal of Organic Chemistry</i> , 2017 , 82, 5011-5019	4.2	9
679	Titanium dioxide visible light photocatalysis: surface association enables photocatalysis with visible light irradiation. <i>Chemical Communications</i> , 2017 , 53, 4335-4338	5.8	67
678	Plasmon heating mediated Friedel-Crafts alkylation of anisole using supported AuNP@Nb ₂ O ₅ catalysts. <i>Tetrahedron Letters</i> , 2017 , 58, 427-431	2	3
677	Thiol-Stabilized Gold Nanoparticles: New Ways To Displace Thiol Layers Using Yttrium or Lanthanide Chlorides. <i>Langmuir</i> , 2017 , 33, 12149-12154	4	9
676	The photochemical alkylation and reduction of heteroarenes. <i>Chemical Science</i> , 2017 , 8, 7412-7418	9.4	54
675	Visible Light Production of Hydrogen by Ablated Graphene: Water Splitting or Carbon Gasification?. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11024-11027	16.4	10

674	Photocatalytic Indole Diels-Alder Cycloadditions Mediated by Heterogeneous Platinum-Modified Titanium Dioxide. <i>ACS Catalysis</i> , 2017 , 7, 6440-6444	13.1	39
673	Photoinduced Hydrogen Fuel Production and Water Decontamination Technologies. Orthogonal Strategies with a Parallel Future?. <i>ACS Energy Letters</i> , 2017 , 2, 1909-1910	20.1	6
672	Click Chemistry: Mechanistic Insights into the Role of Amines Using Single-Molecule Spectroscopy. <i>ACS Catalysis</i> , 2017 , 7, 8487-8492	13.1	9
671	Tunable Photocatalytic Activity of Palladium-Decorated TiO ₂ : Non-Hydrogen-Mediated Hydrogenation or Isomerization of Benzyl-Substituted Alkenes. <i>ACS Catalysis</i> , 2017 , 7, 250-255	13.1	27
670	Polynuclear gold(I) complexes in photoredox catalysis: understanding their reactivity through characterization and kinetic analysis. <i>Catalysis Science and Technology</i> , 2016 , 6, 201-207	5.5	43
669	From the molecule to the mole: improving heterogeneous copper catalyzed click chemistry using single molecule spectroscopy. <i>Chemical Communications</i> , 2016 , 53, 328-331	5.8	8
668	Tetrahydropyranyl protection and deprotection of alcohols using a niobium-based Brønsted acid catalyst. <i>Canadian Journal of Chemistry</i> , 2016 , 94, 712-714	0.9	4
667	Two-Photon Excitation of a Plasmonic Nanoswitch Monitored by Single-Molecule Fluorescence Microscopy. <i>Chemistry - A European Journal</i> , 2016 , 22, 7281-7	4.8	13
666	A Mechanistic Study of Halogen Addition and Photoelimination from π -Conjugated Tellurophenes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2678-89	16.4	31
665	Dye synthesis in the Pechmann reaction: catalytic behaviour of samarium oxide nanoparticles studied using single molecule fluorescence microscopy. <i>Chemical Science</i> , 2016 , 7, 1314-1321	9.4	27
664	A database on the stability of silver and gold nanostructures for applications in biology and biomolecular sciences. <i>Biomaterials Science</i> , 2016 , 5, 89-97	7.4	6
663	Ultra-high density optical data storage in common transparent plastics. <i>Scientific Reports</i> , 2016 , 6, 26163	4.9	43
662	Library of Cationic Organic Dyes for Visible-Light-Driven Photoredox Transformations. <i>ACS Omega</i> , 2016 , 1, 66-76	3.9	65
661	Visible and Near-Infrared Plasmon-Mediated Molecular Release from Cucurbit[6]uril Mesoporous Gated Systems. <i>Langmuir</i> , 2016 , 32, 13764-13770	4	6
660	Understanding the Kinetics and Spectroscopy of Photoredox Catalysis and Transition-Metal-Free Alternatives. <i>Accounts of Chemical Research</i> , 2016 , 49, 1320-30	24.3	138
659	Nitroxide amide-BODIPY probe behavior in fibroblasts analyzed by advanced fluorescence microscopy. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 4023-6	3.9	8
658	Heterogeneous Photocatalytic Click Chemistry. <i>Journal of the American Chemical Society</i> , 2016 , 138, 13127-13130	17.4	10
657	Improving the Sunscreen Properties of TiO through an Understanding of Its Catalytic Properties. <i>ACS Omega</i> , 2016 , 1, 464-469	3.9	63

656	Catalyst Decomposition during Olefin Metathesis Yields Isomerization-Active Ruthenium Nanoparticles. <i>ChemCatChem</i> , 2016 , 8, 2424-2424	5.2	3
655	Single molecule study of samarium oxide nanoparticles as a purely heterogeneous catalyst for one-pot aldehyde chemistry. <i>Catalysis Science and Technology</i> , 2016 , 6, 7113-7121	5.5	8
654	Catalyst Decomposition during Olefin Metathesis Yields Isomerization-Active Ruthenium Nanoparticles. <i>ChemCatChem</i> , 2016 , 8, 2446-2449	5.2	47
653	Plasmon induced self-assembly of gold nanorods in polymer films. <i>Chemical Communications</i> , 2015 , 51, 1911-3	5.8	5
652	Heterogeneous photocatalytic C-C coupling: mechanism of plasmon-mediated reductive dimerization of benzyl bromides by supported gold nanoparticles. <i>Catalysis Science and Technology</i> , 2015 , 5, 4336-4340	5.5	21
651	Thermoplasmonic ssDNA Dynamic Release from Gold Nanoparticles Examined with Advanced Fluorescence Microscopy. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 1499-503	6.4	9
650	Study of Single Catalytic Events at Copper-in-Charcoal: Localization of Click Activity Through Subdiffraction Observation of Single Catalytic Events. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 4049-53	6.4	13
649	Safety and efficacy of composite collagen-silver nanoparticle hydrogels as tissue engineering scaffolds. <i>Nanoscale</i> , 2015 , 7, 18789-98	7.7	69
648	Photochemical synthesis and characterization of novel samarium oxide nanoparticles: toward a heterogeneous Brønsted acid catalyst. <i>RSC Advances</i> , 2015 , 5, 3728-3732	3.7	20
647	Mechanistic insights into the Nb ₂ O ₅ and niobium phosphate catalyzed in situ condensation of a fluorescent halochromic assembly. <i>Catalysis Science and Technology</i> , 2015 , 5, 169-175	5.5	13
646	Visible-Light Actinometry and Intermittent Illumination as Convenient Tools to Study Ru(bpy) ₃ Cl ₂ Mediated Photoredox Transformations. <i>Scientific Reports</i> , 2015 , 5, 16397	4.9	66
645	Photochemical synthesis of biocompatible and antibacterial silver nanoparticles embedded within polyurethane polymers. <i>Photochemical and Photobiological Sciences</i> , 2015 , 14, 661-4	4.2	14
644	Electron transfer from the benzophenone triplet excited state directs the photochemical synthesis of gold nanoparticles. <i>Photochemical and Photobiological Sciences</i> , 2014 , 13, 149-53	4.2	10
643	Photocatalytic Dehalogenation of Vicinal Dibromo Compounds Utilizing Sexithiophene and Visible-Light Irradiation. <i>ACS Catalysis</i> , 2014 , 4, 4034-4039	13.1	39
642	Mild synthesis of mesoporous silica supported ruthenium nanoparticles as heterogeneous catalysts in oxidative Wittig coupling reactions. <i>Catalysis Science and Technology</i> , 2014 , 4, 435-440	5.5	38
641	Silica nanoreactors from silylated riboflavin for efficient singlet oxygen delivery. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 4221-4225	7.3	6
640	LL37 peptide@silver nanoparticles: combining the best of the two worlds for skin infection control. <i>Nanoscale</i> , 2014 , 6, 5725-8	7.7	51
639	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	5.5	18

638	NIR excitation of upconversion nanohybrids containing a surface grafted Bodipy induces oxygen-mediated cancer cell death. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 4554-4563	7.3	35
637	Synthesis, acid properties and catalysis by niobium oxide nanostructured materials. <i>Catalysis Science and Technology</i> , 2014 , 4, 3044-3052	5.5	31
636	Copper nanoparticle heterogeneous catalytic 'click' cycloaddition confirmed by single-molecule spectroscopy. <i>Nature Communications</i> , 2014 , 5, 4612	17.4	101
635	Metal-Free Photocatalytic Radical Trifluoromethylation Utilizing Methylene Blue and Visible Light Irradiation. <i>ACS Catalysis</i> , 2014 , 4, 2530-2535	13.1	181
634	Epoxidation of stilbene using supported gold nanoparticles: cumyl peroxy radical activation at the gold nanoparticle surface. <i>Chemical Communications</i> , 2014 , 50, 2289-91	5.8	9
633	Self-assembled dipole nanolasers. <i>Journal of the American Chemical Society</i> , 2014 , 136, 2956-9	16.4	15
632	Heterogeneous Light-Mediated Reductive Dehalogenations and Cyclizations Utilizing Platinum Nanoparticles on Titania (PtNP@TiO ₂). <i>Advanced Synthesis and Catalysis</i> , 2014 , 356, 2819-2824	5.6	32
631	Aspartame-stabilized gold-silver bimetallic biocompatible nanostructures with plasmonic photothermal properties, antibacterial activity, and long-term stability. <i>Journal of the American Chemical Society</i> , 2014 , 136, 17394-7	16.4	122
630	Insights into the Mechanism of Cumene Peroxidation Using Supported Gold and Silver Nanoparticles. <i>ACS Catalysis</i> , 2013 , 3, 2062-2071	13.1	24
629	Plasmon excitation of supported gold nanoparticles can control molecular release from supramolecular systems. <i>Langmuir</i> , 2013 , 29, 10521-8	4	9
628	Size-controlled photochemical synthesis of niobium nanoparticles. <i>Dalton Transactions</i> , 2013 , 42, 14049-53	5.3	6
627	Hybrid nanomaterials: anchoring magnetic molecules on naked gold nanocrystals. <i>Inorganic Chemistry</i> , 2013 , 52, 14411-8	5.1	21
626	Active participation of amine-derived radicals in photoredox catalysis as exemplified by a reductive cyclization. <i>Catalysis Science and Technology</i> , 2013 , 3, 935	5.5	33
625	Mechanistic insights and kinetic analysis for the oxidative hydroxylation of arylboronic acids by visible light photoredox catalysis: a metal-free alternative. <i>Journal of the American Chemical Society</i> , 2013 , 135, 13286-9	16.4	188
624	Impact of dye-protein interaction and silver nanoparticles on rose bengal photophysical behavior and protein photocrosslinking. <i>Photochemistry and Photobiology</i> , 2013 , 89, 1433-41	3.6	17
623	Sensitized excited free-radical processes as read-write tools: impact on non-linear lithographic processes. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 14873-8	3.6	4
622	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	2.3	53
621	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, 1177-87	6.4	66

620	Oxidation of copper nanoparticles in water: mechanistic insights revealed by oxygen uptake and spectroscopic methods. <i>Dalton Transactions</i> , 2013 , 42, 5832-8	4.3	43
619	Single component photoacid/photobase generators: potential applications in double patterning photolithography. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 2657	7.1	13
618	Rapid one-pot propargylamine synthesis by plasmon mediated catalysis with gold nanoparticles on ZnO under ambient conditions. <i>Chemical Communications</i> , 2013 , 49, 1732-4	5.8	72
617	CO ₂ switchable nanoparticles: reversible water/organic-phase exchange of gold nanoparticles by gas bubbling. <i>RSC Advances</i> , 2013 , 3, 4867	3.7	11
616	Supported Gold Nanoparticles as Efficient Catalysts in the Solventless Plasmon Mediated Oxidation of sec-Phenethyl and Benzyl Alcohol. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 12279-12288	3.8	52
615	Gold nanoparticle catalysis of the cis-trans isomerization of azobenzene. <i>Chemical Communications</i> , 2013 , 49, 10073-5	5.8	59
614	The biocompatibility and antibacterial properties of collagen-stabilized, photochemically prepared silver nanoparticles. <i>Biomaterials</i> , 2012 , 33, 4947-56	15.6	172
613	Silver as an example of the applications of photochemistry to the synthesis and uses of nanomaterials. <i>Photochemistry and Photobiology</i> , 2012 , 88, 762-8	3.6	51
612	Photochemical strategies for the seed-mediated growth of gold and gold-silver nanoparticles. <i>Langmuir</i> , 2012 , 28, 16148-55	4	46
611	Design of xanthone propionate photolabile protecting group releasing acyclovir for the treatment of ocular herpes simplex virus. <i>Photochemical and Photobiological Sciences</i> , 2012 , 11, 539-47	4.2	4
610	Coumarin 314 free radical cation: formation, properties, and reactivity toward phenolic antioxidants. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 199-206	2.8	13
609	Photooxidation of 9-Anthraldehyde Catalyzed by Gold Nanoparticles: Solution and Single Nanoparticle Studies Using Fluorescence Lifetime Imaging. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 24373-24379	3.8	40
608	Ultraclean derivatized monodisperse gold nanoparticles through laser drop ablation customization of polymorph gold nanostructures. <i>Langmuir</i> , 2012 , 28, 8183-9	4	24
607	Reaction mechanism in crystalline solids: kinetics and conformational dynamics of the Norrish type II biradicals from Adamantyl-p-methoxyacetophenone. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1115-23	16.4	14
606	Dual-stage lithography from a light-driven, plasmon-assisted process: a hierarchical approach to subwavelength features. <i>Langmuir</i> , 2012 , 28, 10957-61	4	17
605	Photochemical Norrish type I reaction as a tool for metal nanoparticle synthesis: importance of proton coupled electron transfer. <i>Chemical Communications</i> , 2012 , 48, 4798-808	5.8	113
604	Unexpected solvent isotope effect on the triplet lifetime of methylene blue associated to cucurbit[7]uril. <i>Photochemical and Photobiological Sciences</i> , 2012 , 11, 269-73	4.2	12
603	Plasmon mediated polymerization on the surface of silver nanoparticles for advancements in photolithographic patterning 2012 ,		1

602	Ionic carbamate photoacid/photobase generators for the advancement of dual-tone photolithography 2012 ,		1
601	Reduction of resazurin to resorufin catalyzed by gold nanoparticles: dramatic reaction acceleration by laser or LED plasmon excitation. <i>Catalysis Science and Technology</i> , 2011 , 1, 1506	5.5	35
600	Tuning plasmon transitions and their applications in organic photochemistry. <i>Pure and Applied Chemistry</i> , 2011 , 83, 913-930	2.1	36
599	Photophysics and photochemistry of aflatoxins B1 and B2. <i>Photochemical and Photobiological Sciences</i> , 2011 , 10, 1701-8	4.2	9
598	Photochemical synthesis of a water oxidation catalyst based on cobalt nanostructures. <i>Journal of the American Chemical Society</i> , 2011 , 133, 16742-5	16.4	81
597	Plasmon-Mediated Catalytic Oxidation of sec-Phenethyl and Benzyl Alcohols. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 10784-10790	3.8	82
596	Photophysical behaviour and photodynamic activity of zinc phthalocyanines associated to liposomes. <i>Photochemical and Photobiological Sciences</i> , 2011 , 10, 507-14	4.2	48
595	Optimal Size of Silver Nanoparticles for Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 1403-1409	3.8	272
594	Lumiestrone is Photochemically Derived from Estrone and may be Released to the Environment without Detection. <i>Frontiers in Endocrinology</i> , 2011 , 2, 83	5.7	25
593	Dry photochemical synthesis of hydroxalcite, Al ₂ O ₃ and TiO ₂ supported gold nanoparticle catalysts. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 224, 8-15	4.7	22
592	Accurate O-H bond dissociation energy differences of hydroxylamines determined by EPR spectroscopy: computational insight into stereoelectronic effects on BDEs and EPR spectral parameters. <i>Journal of Organic Chemistry</i> , 2011 , 76, 631-6	4.2	16
591	Effect of γ -radiation on green onion DNA integrity: Role of ascorbic acid and polyphenols against nucleic acid damage. <i>Food Chemistry</i> , 2011 , 128, 735-741	8.5	15
590	Steady state and transient kinetics in crystalline solids: the photochemistry of nanocrystalline 1,1,3-triphenyl-3-hydroxy-2-indanone. <i>Chemical Science</i> , 2011 , 2, 1497	9.4	13
589	High-temperature organic reactions at room temperature using plasmon excitation: decomposition of dicumyl peroxide. <i>Organic Letters</i> , 2011 , 13, 204-7	6.2	117
588	Opportunistic use of tetrachloroaurate photolysis in the generation of reductive species for the production of gold nanostructures. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 11914-8	3.6	35
587	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, 3913-20	16.4	43
586	Plasmon-mediated photopolymerization maps plasmon fields for silver nanoparticles. <i>Journal of the American Chemical Society</i> , 2011 , 133, 9160-3	16.4	38
585	Reducing adverse effects from UV sunscreens by zeolite encapsulation: comparison of oxybenzone in solution and in zeolites. <i>Photochemistry and Photobiology</i> , 2010 , 86, 153-61	3.6	23

584	Synthesis of copper nanoparticles mediated by photogenerated free radicals: catalytic role of chloride anions. <i>Photochemical and Photobiological Sciences</i> , 2010 , 9, 766-74	4.2	38
583	Photophysics and photochemistry of dyes bound to human serum albumin are determined by the dye localization. <i>Photochemical and Photobiological Sciences</i> , 2010 , 9, 93-102	4.2	52
582	Photobehavior of merocyanine 540 bound to human serum albumin. <i>Photochemical and Photobiological Sciences</i> , 2010 , 9, 861-9	4.2	40
581	Light emitting diode irradiation can control the morphology and optical properties of silver nanoparticles. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1825-7	16.4	303
580	Stereoselective interaction of epimeric naproxen-RGD peptides with human serum albumin. <i>Biomacromolecules</i> , 2010 , 11, 2255-60	6.9	20
579	Surface plasmons control the dynamics of excited triplet states in the presence of gold nanoparticles. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6298-9	16.4	62
578	Photophysical characterization of atorvastatin (Lipitor [®]) ortho-hydroxy metabolite: role of hydroxyl group on the drug photochemistry. <i>Photochemical and Photobiological Sciences</i> , 2010 , 9, 1378-84	4.2	9
577	On-off QD switch that memorizes past recovery from quenching by diazonium salts. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 9757-62	3.6	4
576	Two-photon chemistry in ruthenium 2,2'-bipyridyl-functionalized single-wall carbon nanotubes. <i>Chemistry - A European Journal</i> , 2010 , 16, 7282-92	4.8	14
575	Effects of bio-compatible metal ions on rifloxacin photochemistry, photophysics and photosensitization: copper(II). <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2010 , 101, 295-303	6.7	3
574	Use of Ketoprofenate and Xanthone Photocages for Antiviral Release. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2010 , 95-105	0.2	1
573	Photoinduced formation and characterization of electron-hole pairs in azaxanthylum-derivatized short single-walled carbon nanotubes. <i>Chemistry - A European Journal</i> , 2009 , 15, 8751-9	4.8	10
572	Near-infrared emission quantum yield of soluble short single-walled carbon nanotubes. <i>ChemPhysChem</i> , 2009 , 10, 1305-10	3.2	4
571	Collagen-phosphorylcholine interpenetrating network hydrogels as corneal substitutes. <i>Biomaterials</i> , 2009 , 30, 1551-9	15.6	153
570	Solvent-independent antioxidant activity from thermally generated carbon-centered radical antioxidants. <i>Organic Letters</i> , 2009 , 11, 3634-7	6.2	16
569	How drug photodegradation studies led to the promise of new therapies and some fundamental carbanion reaction dynamics along the way. <i>Accounts of Chemical Research</i> , 2009 , 42, 599-607	24.3	49
568	Raising the ceiling of diastereoselectivity in hydrogen transfer on acyclic radicals. <i>Journal of Organic Chemistry</i> , 2009 , 74, 2438-46	4.2	8
567	Lithography Based on Memory Effects Resulting from Photoinduced Self-Assembly of Pyrene Dimers in Thin Polymer Films. <i>Chemistry of Materials</i> , 2009 , 21, 3933-3940	9.6	7

566	Facile photochemical synthesis and characterization of highly fluorescent silver nanoparticles. <i>Journal of the American Chemical Society</i> , 2009 , 131, 13972-80	16.4	191
565	Cucurbituril complexes cross the cell membrane. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 1743-7	4.2	83
564	Covalent Functionalization of Short, Single-Wall Carbon Nanotubes: Photophysics of 2,4,6-Triphenylpyrylium Attached to the Nanotube Walls. <i>Chemistry of Materials</i> , 2009 , 21, 884-890	9.6	20
563	Photochemical routes to silver and gold nanoparticles. <i>Pure and Applied Chemistry</i> , 2009 , 81, 635-647	2.1	77
562	Fluorescence quenching of CdSe quantum dots by tertiary amines and their surface binding effect. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 70-4	4.2	27
561	Photolabile protecting groups based on the singlet state photodecarboxylation of xanthone acetic acid. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4127-35	16.4	27
560	Methylene blue encapsulation in cucurbit[7]uril: laser flash photolysis and near-IR luminescence studies of the interaction with oxygen. <i>Langmuir</i> , 2009 , 25, 10490-4	4	66
559	Band gap effect on the photocatalytic activity of supramolecular structures obtained by entrapping photosensitizers in different inorganic supports. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 5569-77	3.6	22
558	7-mercapto-4-methylcoumarin as a reporter of thiol binding to the CdSe quantum dot surface. <i>Chemical Communications</i> , 2009 , 3202-4	5.8	14
557	Photochemical Strategies for the Facile Synthesis of GoldSilver Alloy and CoreShell Bimetallic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 11861-11867	3.8	128
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