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List of Publications by Year
in descending order

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294 papers	18,962 citations	13099 68 h-index	15266 126 g-index
331 all docs	331 docs citations	331 times ranked	10683 citing authors

#	Article	IF	Citations
1	Cucurbiturils: from synthesis to high-affinity binding and catalysis. Chemical Society Reviews, 2015, 44, 394-418.	38.1	1,100
2	Fluorescent Dyes and Their Supramolecular Host/Guest Complexes with Macrocycles in Aqueous Solution. Chemical Reviews, 2011, 111, 7941-7980.	47.7	975
3	The Hydrophobic Effect Revisitedâ€"Studies with Supramolecular Complexes Imply Highâ€Energy Water as a Noncovalent Driving Force. Angewandte Chemie - International Edition, 2014, 53, 11158-11171.	13.8	502
4	Release of High-Energy Water as an Essential Driving Force for the High-Affinity Binding of Cucurbit[n]urils. Journal of the American Chemical Society, 2012, 134, 15318-15323.	13.7	471
5	Mechanism of Hostâ^'Guest Complexation by Cucurbituril. Journal of the American Chemical Society, 2004, 126, 5806-5816.	13.7	429
6	Label-free continuous enzyme assays with macrocycle-fluorescent dye complexes. Nature Methods, 2007, 4, 629-632.	19.0	397
7	Toxicity of cucurbit[7]uril and cucurbit[8]uril: an exploratory in vitro and in vivo study. Organic and Biomolecular Chemistry, 2010, 8, 2037.	2.8	342
8	Deep Inside Cucurbiturils: Physical Properties and Volumes of their Inner Cavity Determine the Hydrophobic Driving Force for Hostâ€"Guest Complexation. Israel Journal of Chemistry, 2011, 51, 559-577.	2.3	319
9	Dynamically Analyte-Responsive Macrocyclic Hostâ€"Fluorophore Systems. Accounts of Chemical Research, 2014, 47, 2150-2159.	15.6	319
10	The strategic use of supramolecular pKa shifts to enhance the bioavailability of drugs. Advanced Drug Delivery Reviews, 2012, 64, 764-783.	13.7	310
11	Hostâ^'Guest Complexation of Neutral Red with Macrocyclic Host Molecules:Â Contrasting pKaShifts and Binding Affinities for Cucurbit[7]uril and Î²-Cyclodextrin. Journal of Physical Chemistry B, 2006, 110, 5132-5138.	2.6	266
12	Ultrastable Rhodamine with Cucurbituril. Angewandte Chemie - International Edition, 2005, 44, 3750-3754.	13.8	256
13	Cucurbituril Encapsulation of Fluorescent Dyes. Supramolecular Chemistry, 2007, 19, 55-66.	1.2	250
14	Activation and Stabilization of Drugs by Supramolecular pK_a Shifts: Drugâ€Delivery Applications Tailored for Cucurbiturils. Angewandte Chemie - International Edition, 2008, 47, 5398-5401.	13.8	238
15	The Chaotropic Effect as an Assembly Motif in Chemistry. Angewandte Chemie - International Edition, 2018, 57, 13968-13981.	13.8	231
16	Operational calixarene-based fluorescent sensing systems for choline and acetylcholine and their application to enzymatic reactions. Chemical Science, 2011, 2, 1722.	7.4	229
17	Water Structure Recovery in Chaotropic Anion Recognition: Highâ€Affinity Binding of Dodecaborate Clusters to Î³â€Cyclodextrin. Angewandte Chemie - International Edition, 2015, 54, 6852-6856.	13.8	214
18	Efficient Fluorescence Enhancement and Cooperative Binding of an Organic Dye in a Supra-biomolecular Hostâ€"Protein Assembly. Angewandte Chemie - International Edition, 2007, 46, 4120-4122.	13.8	206

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19	Substrate-Selective Supramolecular Tandem Assays: Monitoring Enzyme Inhibition of Arginase and Diamine Oxidase by Fluorescent Dye Displacement from Calixarene and Cucurbituril Macrocycles. Journal of the American Chemical Society, 2009, 131, 11558-11570.	13.7	203
20	Strongly Fluorescent, Switchable Perylene Bis(diimide) Hostâ€“Guest Complexes with Cucurbit[8]uril In Water. Angewandte Chemie - International Edition, 2012, 51, 7739-7743.	13.8	199
21	Noncovalent Chirality Sensing Ensembles for the Detection and Reaction Monitoring of Amino Acids, Peptides, Proteins, and Aromatic Drugs. Angewandte Chemie - International Edition, 2014, 53, 5694-5699.	13.8	193
22	Two Mechanisms of Slow Host-Guest Complexation between Cucurbit[6]uril and Cyclohexylmethylamine: pH-Responsive Supramolecular Kinetics. Angewandte Chemie - International Edition, 2001, 40, 3155-3160.	13.8	188
23	A Conformational Flexibility Scale for Amino Acids in Peptides. Angewandte Chemie - International Edition, 2003, 42, 2269-2272.	13.8	181
24	Supramolecular Tandem Enzyme Assays for Multiparameter Sensor Arrays and Enantiomeric Excess Determination of Amino Acids. Chemistry - A European Journal, 2008, 14, 6069-6077.	3.3	176
25	Determining Protease Substrate Selectivity and Inhibition by Label-Free Supramolecular Tandem Enzyme Assays. Journal of the American Chemical Society, 2011, 133, 7528-7535.	13.7	176
26	Taming fluorescent dyes with cucurbituril. International Journal of Photoenergy, 2005, 7, 133-141.	2.5	175
27	Cucurbit[8]uril and Blue-Box: High-Energy Water Release Overwhelms Electrostatic Interactions. Journal of the American Chemical Society, 2013, 135, 14879-14888.	13.7	174
28	Polarizabilities Inside Molecular Containers This work was supported by the Swiss National Science Foundation (projects 620-58000.99 and 4047-057552) within the program NFPâ€‰47 â€œSupramolecular Functional Materialsâ€•. Angewandte Chemie - International Edition, 2001, 40, 4387.	13.8	172
29	Design of a Fluorescent Dye for Indicator Displacement from Cucurbiturils: A Macrocycle-Responsive Fluorescent Switch Operating through a pK_a Shift. Organic Letters, 2008, 10, 4089-4092.	4.6	171
30	A Fluorescence-Based Method for Direct Measurement of Submicrosecond Intramolecular Contact Formation in Biopolymers:â€‰ An Exploratory Study with Polypeptides. Journal of the American Chemical Society, 2002, 124, 556-564.	13.7	167
31	Complexation of acridine orange by cucurbit[7]uril and Î²-cyclodextrin: photophysical effects and pKa shifts. Photochemical and Photobiological Sciences, 2008, 7, 408-414.	2.9	161
32	Strong Binding of Hydrocarbons to Cucurbituril Probed by Fluorescent Dye Displacement: A Supramolecular Gasâ€Sensing Ensemble. Angewandte Chemie - International Edition, 2011, 50, 9338-9342.	13.8	157
33	Cucurbiturils: Molecular Nanocapsules for Time-Resolved Fluorescence-Based Assays. IEEE Transactions on Nanobioscience, 2004, 3, 39-45.	3.3	149
34	Chemistry inside molecular containers in the gas phase. Nature Chemistry, 2013, 5, 376-382.	13.6	144
35	Nanomolar Binding of Steroids to Cucurbit[n]urils: Selectivity and Applications. Journal of the American Chemical Society, 2016, 138, 13022-13029.	13.7	143
36	Supramolecular encapsulation of benzimidazole-derived drugs by cucurbit[7]uril. Canadian Journal of Chemistry, 2011, 89, 139-147.	1.1	133

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37	Supramolecular Tandem Enzyme Assays. Chemistry - A European Journal, 2012, 18, 3444-3459.	3.3	130
38	Fluorescence Regeneration as a Signaling Principle for Choline and Carnitine Binding: A Refined Supramolecular Sensor System Based on a Fluorescent Azoalkane. Advanced Functional Materials, 2006, 16, 237-242.	14.9	126
39	Salt-induced guest relocation from a macrocyclic cavity into a biomolecular pocket: interplay between cucurbit[7]uril and albumin. Chemical Communications, 2008, , 3681.	4.1	125
40	Halogen Bonding inside a Molecular Container. Journal of the American Chemical Society, 2012, 134, 19935-19941.	13.7	119
41	Applications of Cucurbiturils in Medicinal Chemistry and Chemical Biology. Frontiers in Chemistry, 2019, 7, 619.	3.6	118
42	Cucurbituril-Mediated Supramolecular Acid Catalysis. Organic Letters, 2009, 11, 2595-2598.	4.6	115
43	An Exceedingly Long-Lived Fluorescent State as a Distinct Structural and Dynamic Probe for Supramolecular Association:Â An Exploratory Study of Hostâ^'Guest Complexation by Cyclodextrins. Journal of the American Chemical Society, 1999, 121, 8022-8032.	13.7	114
44	Analysis of Host-Assisted Guest Protonation Exemplified forp-Sulfonatocalix[4]areneâ€"Towards Enzyme-Mimetic pKa Shifts. Chemistry - A European Journal, 2006, 12, 4799-4807.	3.3	112
45	Indicator Displacement Assays Inside Live Cells. Angewandte Chemie - International Edition, 2015, 54, 792-795.	13.8	104
46	Transitionâ€Metalâ€Promoted Chemoselective Photoreactions at the Cucurbituril Rim. Angewandte Chemie - International Edition, 2011, 50, 545-548.	13.8	103
47	A Joint Structural, Kinetic, and Thermodynamic Investigation of Substituent Effects on Hostâ^'Guest Complexation of Bicyclic Azoalkanes by Î²-Cyclodextrin. Journal of the American Chemical Society, 2002, 124, 254-263.	13.7	100
48	Refractive index effects on the oscillator strength and radiative decay rate of 2,3-diazabicyclo[2.2.2]oct-2-ene. Photochemical and Photobiological Sciences, 2004, 3, 1026.	2.9	98
49	Tetrahydro-1,8-naphthyridinol Analogues of Î±-Tocopherol as Antioxidants in Lipid Membranes and Low-Density Lipoproteins. Journal of the American Chemical Society, 2007, 129, 10211-10219.	13.7	98
50	Supramolecular logic with macrocyclic input and competitive reset. Chemical Communications, 2010, 46, 2635.	4.1	98
51	Chemosensing Ensembles for Monitoring Biomembrane Transport in Real Time. Angewandte Chemie - International Edition, 2014, 53, 2762-2765.	13.8	97
52	Efficient Hostâ€"Guest Energy Transfer in Polycationic Cyclophaneâ€"Perylene Diimide Complexes in Water. Journal of the American Chemical Society, 2014, 136, 9053-9060.	13.7	97
53	Supramolecular Dye Laser with Cucurbit[7]uril in Water. ChemPhysChem, 2007, 8, 54-56.	2.1	96
54	Modulation of Excitedâ€State Proton Transfer of 2â€(2â€²â€Hydroxyphenyl)benzimidazole in a Macrocyclic Cucurbit[7]uril Host Cavity: Dual Emission Behavior and pK_a Shift. Chemistry - A European Journal, 2009, 15, 12362-12370.	3.3	91

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55	A 10-Ã... Spectroscopic Ruler Applied to Short Polyprolines. Journal of the American Chemical Society, 2007, 129, 9762-9772.	13.7	87
56	Oxygen Quenching of Excited Aliphatic Ketones and Diketones. The Journal of Physical Chemistry, 1996, 100, 11360-11367.	2.9	86
57	A photoinduced pH jump applied to drug release from cucurbit[7]uril. Chemical Communications, 2011, 47, 8793.	4.1	82
58	Dynamically Self-Assembling Metalloenzyme Models Based on Calixarenes. Angewandte Chemie - International Edition, 2006, 45, 7400-7404.	13.8	81
59	High-affinity hostâ€“guest chemistry of large-ring cyclodextrins. Organic and Biomolecular Chemistry, 2016, 14, 7702-7706.	2.8	80
60	Spiroiminodihydantoin Is a Major Product in the Photooxidation of 2â€˜-Deoxyguanosine by the Triplet States and Oxyl Radicals Generated from Hydroxyacetophenone Photolysis and Dioxetane Thermolysis. Organic Letters, 2002, 4, 537-540.	4.6	79
61	Kinetics of End-to-End Collision in Short Single-Stranded Nucleic Acids. Journal of the American Chemical Society, 2004, 126, 808-813.	13.7	78
62	Fluorescence Quenching of n,Ï€*-Excited Azoalkanes by Amines:Â What Is a Sterically Hindered Amine?. Journal of the American Chemical Society, 2000, 122, 2027-2034.	13.7	76
63	A Fluorescenceâ€Based Supramolecular Tandem Assay for Monitoring Lysine Methyltransferase Activity in Homogeneous Solution. Chemistry - A European Journal, 2012, 18, 3521-3528.	3.3	74
64	Intramolecular and Intermolecular Reactivity of Localized Singlet Diradicals:Â The Exceedingly Long-Lived 2,2-Diethoxy-1,3-diphenylcyclopentane-1,3-diyl. Journal of the American Chemical Society, 2000, 122, 2019-2026.	13.7	73
65	Switch-Over in Photochemical Reaction Mechanism from Hydrogen Abstraction to Exciplex-Induced Quenching:Â Interaction of Triplet-Excited versus Singlet-Excited Acetone versus Cumyloxyl Radicals with Amines. Journal of the American Chemical Society, 2001, 123, 9727-9737.	13.7	73
66	Induced Circular Dichroism and Structural Assignment of the Cyclodextrin Inclusion Complexes of Bicyclic Azoalkanes. Journal of Organic Chemistry, 2005, 70, 39-46.	3.2	69
67	Fluorescence Monitoring of Peptide Transport Pathways into Large and Giant Vesicles by Supramolecular Hostâ€“Dye Reporter Pairs. Journal of the American Chemical Society, 2019, 141, 20137-20145.	13.7	69
68	Binding of inorganic cations by p-sulfonatocalix[4]arene monitored through competitive fluorophore displacement in aqueous solution. Chemical Communications, 2005, , 5411.	4.1	68
69	Distance Distributions of Short Polypeptides Recovered by Fluorescence Resonance Energy Transfer in the 10 Ã... Domain. Journal of the American Chemical Society, 2006, 128, 8118-8119.	13.7	68
70	Spherical Shape Complementarity as an Overriding Motif in the Molecular Recognition of Noncharged Organic Guests byp-Sulfonatocalix[4]arene:Â Complexation of Bicyclic Azoalkanes. Journal of Organic Chemistry, 2005, 70, 9960-9966.	3.2	65
71	Selective Sensing of Citrate by a Supramolecular 1,8-Naphthalimide/Calix[4]arene Assembly via Complexation-Modulated pKaShifts in a Ternary Complex. Journal of Organic Chemistry, 2007, 72, 3889-3895.	3.2	65
72	Dodecaborate-Functionalized Anchor Dyes for Cyclodextrin-Based Indicator Displacement Applications. Organic Letters, 2016, 18, 932-935.	4.6	65

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73	Implementation of anion-receptor macrocycles in supramolecular tandem assays for enzymes involving nucleotides as substrates, products, and cofactors. Organic and Biomolecular Chemistry, 2010, 8, 1033.	2.8	64
74	Energy and Electron Transfer Dynamics within a Series of Perylene Diimide/Cyclophane Systems. Journal of the American Chemical Society, 2015, 137, 15299-15307.	13.7	64
75	Binding affinities of cucurbit[n]urils with cations. Chemical Communications, 2019, 55, 14131-14134.	4.1	64
76	Chromophore Alignment in a Chiral Host Provides a Sensitive Test for the Orientation - Intensity Rule of Induced Circular Dichroism. Angewandte Chemie - International Edition, 2000, 39, 544-547.	13.8	63
77	Molecular Encapsulation of Fluorescent Dyes Affords Efficient Narrowâ€band Dye Laser Operation in Water. ChemPhysChem, 2010, 11, 3333-3338.	2.1	63
78	HYDROPHOBE Challenge: A Joint Experimental and Computational Study on the Hostâ€“Guest Binding of Hydrocarbons to Cucurbiturils, Allowing Explicit Evaluation of Guest Hydration Free-Energy Contributions. Journal of Physical Chemistry B, 2017, 121, 11144-11162.	2.6	62
79	The chaotropic effect as an orthogonal assembly motif for multi-responsive dodecaborate-cucurbituril supramolecular networks. Chemical Communications, 2018, 54, 2098-2101.	4.1	62
80	Boron clusters as broadband membrane carriers. Nature, 2022, 603, 637-642.	27.8	62
81	Under control. Nature Chemistry, 2010, 2, 248-250.	13.6	61
82	Cavitation energies can outperform dispersion interactions. Nature Chemistry, 2018, 10, 1252-1257.	13.6	60
83	High-Affinity Binding of Metallacarborane Cobalt Bis(dicarbollide) Anions to Cyclodextrins and Application to Membrane Translocation. Journal of Organic Chemistry, 2019, 84, 11790-11798.	3.2	58
84	Co-conformational Variability of Cyclodextrin Complexes Studied by Induced Circular Dichroism of Azoalkanes. Journal of the American Chemical Society, 2001, 123, 5240-5248.	13.7	57
85	Primary and Secondary Structure Dependence of Peptide Flexibility Assessed by Fluorescence-Based Measurement of End-to-End Collision Rates. Journal of the American Chemical Society, 2004, 126, 16665-16675.	13.7	57
86	Effects of cucurbit[7]uril on enzymatic activity. Chemical Communications, 2007, , 1614.	4.1	57
87	Associative chemosensing by fluorescent macrocycleâ€“dye complexes â€“ a versatile enzyme assay platform beyond indicator displacement. Chemical Communications, 2015, 51, 4977-4980.	4.1	57
88	Phosphorescence and Transient Absorption of Azoalkane Triplet States. Journal of the American Chemical Society, 1995, 117, 12578-12592.	13.7	55
89	Reactivity and Efficiency of Singlet- and Triplet-Excited States in Intermolecular Hydrogen Abstraction Reactions. Journal of the American Chemical Society, 1996, 118, 2275-2282.	13.7	54
90	Photochemical Generation and Methanol Trapping of Localized 1,3 and 1,4 Singlet Diradicals Derived from a Spiroepoxy-Substituted Cyclopentane-1,3-diyl. Journal of the American Chemical Society, 1998, 120, 11304-11310.	13.7	53

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91	Fluorescence of 2,3-Diazabicyclo[2.2.2]oct-2-ene Revisited:Â Solvent-Induced Quenching of the n,Ï€*-Excited State by an Aborted Hydrogen Atom Transfer. Journal of Physical Chemistry A, 1999, 103, 1579-1584.	2.5	53
92	1,3-Cyclopentanediyl Diradicals:Â Substituent and Temperature Dependence of Tripletâ^'Singlet Intersystem Crossing. Journal of the American Chemical Society, 1999, 121, 9265-9275.	13.7	53
93	Absolute Rate Constants for the Quenching of Reactive Excited States by Melanin and Related 5,6-Dihydroxyindole Metabolites: Implications for Their Antioxidant Activity. Photochemistry and Photobiology, 2000, 71, 524.	2.5	51
94	A Fluorescent Probe for Antioxidants. Journal of the American Chemical Society, 1998, 120, 12614-12618.	13.7	50
95	Interactions of Amino Acids and Polypeptides with Metal Oxide Nanoparticles Probed by Fluorescent Indicator Adsorption and Displacement. ACS Nano, 2012, 6, 5668-5679.	14.6	49
96	Phosphorylationâ€Responsive Membrane Transport of Peptides. Angewandte Chemie - International Edition, 2017, 56, 15742-15745.	13.8	49
97	A Supramolecular Approach for Enhanced Antibacterial Activity and Extended Shelf-life of Fluoroquinolone Drugs with Cucurbit[7]uril. Scientific Reports, 2018, 8, 13925.	3.3	48
98	Increased Antioxidant Reactivity of Vitamin C at Low pH in Model Membranes. Journal of the American Chemical Society, 2002, 124, 11252-11253.	13.7	47
99	Single-Label Kinase and Phosphatase Assays for Tyrosine Phosphorylation Using Nanosecond Time-Resolved Fluorescence Detection. Journal of the American Chemical Society, 2007, 129, 15927-15934.	13.7	47
100	Selective Fluorescence Quenching of 2,3-Diazabicyclo[2.2.2]oct-2-ene by Nucleotides. Organic Letters, 2003, 5, 3911-3914.	4.6	46
101	Novel fluorescent pH sensor based on coumarin with piperazine and imidazole substituents. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 71, 818-822.	3.9	46
102	Deep-Red Fluorescent Gold Nanoclusters for Nucleoli Staining: Real-Time Monitoring of the Nucleolar Dynamics in Reverse Transformation of Malignant Cells. ACS Applied Materials & Interfaces, 2017, 9, 17799-17806.	8.0	46
103	The â€œTrueâ€•Affinities of Metal Cations to pâ€Sulfonatocalix[4]arene: A Thermodynamic Study at Neutral pH Reveals a Pitfall Due to Salt Effects in Microcalorimetry. Chemistry - A European Journal, 2013, 19, 17809-17820.	3.3	45
104	Cucurbiturils as fluorophilic receptors. Supramolecular Chemistry, 2014, 26, 657-669.	1.2	45
105	Inclusion of neutral guests by water-soluble macrocyclic hosts â€“ a comparative thermodynamic investigation with cyclodextrins, calixarenes and cucurbiturils. Supramolecular Chemistry, 2016, 28, 384-395.	1.2	45
106	Triple Emission from pâ€Dimethylaminobenzonitrileâ€“Cucurbit[8]uril Triggers the Elusive Excimer Emission. Chemistry - A European Journal, 2015, 21, 691-696.	3.3	44
107	Hostâ€“Guest Chemistry Meets Electrocatalysis: Cucurbit[6]uril on a Au Surface as a Hybrid System in CO₂ Reduction. ACS Catalysis, 2020, 10, 751-761.	11.2	43
108	Der chaotrope Effekt als Aufbaumotiv in der Chemie. Angewandte Chemie, 2018, 130, 14164-14177.	2.0	42

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109	Diffusion of Î±-Tocopherol in Membrane Models:Â Probing the Kinetics of Vitamin E Antioxidant Action by Fluorescence in Real Time. Journal of the American Chemical Society, 2004, 126, 5482-5492.	13.7	41
110	The Mechanism for Hydrogen Abstraction by n,Ï€* Excited Singlet States: Evidence for Thermal Activation and Deactivation through a Conical Intersection. Angewandte Chemie - International Edition, 1998, 37, 98-101.	13.8	40
111	Effect of cucurbit[n]urils on tropicamide and potential application in ocular drug delivery. Supramolecular Chemistry, 2011, 23, 650-656.	1.2	40
112	Nichtkovalente ChiralitÃtssensorikâ€Ensembles zur Detektion und Reaktionsverfolgung von AminosÃuren, Peptiden, Proteinen und aromatischen Wirkstoffen. Angewandte Chemie, 2014, 126, 5802-5807.	2.0	40
113	Hierarchical hostâ€“guest assemblies formed on dodecaborate-coated gold nanoparticles. Chemical Communications, 2017, 53, 4616-4619.	4.1	40
114	Conical Intersections in Charge-Transfer Induced Quenching. Angewandte Chemie - International Edition, 2000, 39, 4582-4586.	13.8	39
115	Biomolecular and Supramolecular Kinetics in the Submicrosecond Time Range: the Fluorazophore Approach. ChemPhysChem, 2002, 3, 393.	2.1	39
116	A Simple Assay for Quality Binders to Cucurbiturils. Chemistry - A European Journal, 2014, 20, 9897-9901.	3.3	39
117	Ratiometric DNA sensing with a hostâ€“guest FRET pair. Chemical Communications, 2019, 55, 671-674.	4.1	39
118	Discrepancies between Conformational Distributions of a Polyalanine Peptide in Solution Obtained from Molecular Dynamics Force Fields and Amide Iâ€² Band Profiles. Journal of Physical Chemistry B, 2010, 114, 17201-17208.	2.6	38
119	Excited-state properties of fluorenones: influence of substituents, solvent and macrocyclic encapsulation. Physical Chemistry Chemical Physics, 2014, 16, 16436-16445.	2.8	38
120	Electronic Substituent Effects on the Acid-Catalyzed [4+ + 2] Cycloaddition of Isopyrazoles with Cyclopentadiene and the Photochemical and Thermal Denitrogenation of the Resulting 1,4-Diaryl-7,7-dimethyl-2,3-diazabicyclo[2.2.1]hept-2-ene Azoalkanes to Bicyclo[2.1.0]pentanes. Journal of Organic Chemistry, 1994, 59, 3786-3797.	3.2	37
121	Radical Stabilization and Ground State Polar Substituent Effects in the Thermal Decomposition of Azoalkanes. Journal of the American Chemical Society, 1994, 116, 10972-10982.	13.7	37
122	Excited state quenching viaÂâ€œunsuccessfulâ€•chemical reactions. Photochemical and Photobiological Sciences, 2002, 1, 537-546.	2.9	36
123	Effect of Lowerâ€Rim Alkylation of pâ€Sulfonatocalix[4]arene on the Thermodynamics of Hostâ€“Guest Complexation. European Journal of Organic Chemistry, 2010, 2010, 1704-1710.	2.4	36
124	Fluorescence Quenching by Sequential Hydrogen, Electron, and Proton Transfer in the Proximity of a Conical Intersection. Angewandte Chemie - International Edition, 2001, 40, 4185-4189.	13.8	35
125	Supramolecular assemblies through hostâ€“guest complexation between cucurbiturils and an amphiphilic guest molecule. Chemical Communications, 2018, 54, 1734-1737.	4.1	35
126	Photochemistry ofN-Isopropoxy-Substituted 2(1H)-Pyridone and 4-p-Tolylthiazole-2(3H)-thione:Â Alkoxyl-Radical Release (Spin-Trapping, EPR, and Transient Spectroscopy) and Its Significance in the Photooxidative Induction of DNA Strand Breaks. Journal of Organic Chemistry, 2002, 67, 6041-6049.	3.2	34

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127	Modulation of Spectrokinetic Properties of oâ€Quinonoid Reactive Intermediates by Electronic Factors: Timeâ€Resolved Laser Flash and Steadyâ€State Photolysis Investigations of Photochromic 6â€•and 7â€Arylchromenes. Chemistry - A European Journal, 2009, 15, 4289-4300.	3.3	33
128	A coumarin-based fluorescent PET sensor utilizing supramolecular pKa shifts. Tetrahedron Letters, 2011, 52, 5249-5254.	1.4	33
129	Active tumor-targeting luminescent gold clusters with efficient urinary excretion. Chemical Communications, 2016, 52, 9232-9235.	4.1	33
130	Cucurbiturils as supramolecular inhibitors of DNA restriction by type II endonucleases. Organic and Biomolecular Chemistry, 2015, 13, 2866-2869.	2.8	32
131	Chitin-acetate/DMSO as a supramolecular green CO₂-phile. RSC Advances, 2016, 6, 22090-22093.	3.6	32
132	Fluorescent artificial receptor-based membrane assay (FARMA) for spatiotemporally resolved monitoring of biomembrane permeability. Communications Biology, 2020, 3, 383.	4.4	32
133	AN ELECTRONEGATIVITY MODEL FOR POLAR GROUND-STATE EFFECTS ON BOND DISSOCIATION ENERGIES. Journal of Physical Organic Chemistry, 1997, 10, 445-455.	1.9	31
134	Reaction of Singlet-Excited 2,3-Diazabicyclo[2.2.2]oct-2-ene andtert-Butoxyl Radicals with Aryl-Substituted Benzofuranones. Journal of Organic Chemistry, 2006, 71, 1977-1983.	3.2	31
135	Kinetic Solvent Effects on Hydrogen Abstraction Reactions. Organic Letters, 2007, 9, 2899-2902.	4.6	31
136	The World of Cucurbiturils â€" From Peculiarity to Commodity. Israel Journal of Chemistry, 2011, 51, 492-494.	2.3	31
137	Selective Detection of Nitroexplosives Using Molecular Recognition within Self-Assembled Plasmonic Nanojunctions. Journal of Physical Chemistry C, 2019, 123, 15769-15776.	3.1	31
138	A Comparative Photomechanistic Study (Spin Trapping, EPR Spectroscopy, Transient Kinetics,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 312 the Radicals Generated from Î±-Oxy-Substituted Derivatives through Norrish-Type I Cleavage. Journal of the American Chemical Society, 2002, 124, 3893-3904.	13.7	29
139	Effect of Temperature, Cholesterol Content, and Antioxidant Structure on the Mobility of Vitamin E Constituents in Biomembrane Models Studied by Laterally Diffusion-Controlled Fluorescence Quenching. Journal of the American Chemical Society, 2005, 127, 15575-15584.	13.7	29
140	Nanosecond Time-Resolved Fluorescence Protease Assays. ChemBioChem, 2006, 7, 733-737.	2.6	29
141	Electronic Effects ofpara- andmeta-Substituents on the EPRDParameter in 1,3-Arylcyclopentane-1,3-diyl Triplet Diradicals. A New Spectroscopic Measure of Î± Spin Densities and Radical Stabilization Energies in Benzyl-Type Monoradicals. Journal of Organic Chemistry, 1997, 62, 1419-1426.	3.2	28
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