

# Vaidhyathan Ramamurthy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3912677/publications.pdf>

Version: 2024-02-01

145  
papers

7,924  
citations

57752

44  
h-index

56717

83  
g-index

164  
all docs

164  
docs citations

164  
times ranked

5308  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibration-Assisted Intersystem Crossing in the Ultrafast Excited-State Relaxation Dynamics of Halocoumarins. <i>Journal of Physical Chemistry A</i> , 2022, 126, 1475-1485.	2.5	7
2	Organic Host Encapsulation Effects on Nitrosobenzene Monomerâ€“Dimer Distribution and Câ€“NO Bond Rotation in an Aqueous Solution. <i>ACS Organic &amp; Inorganic Au</i> , 2022, 2, 175-185.	4.0	5
3	Photochemistry in a capsule: controlling excited state dynamics<i>via</i>confinement. <i>Chemical Communications</i> , 2022, 58, 6571-6585.	4.1	10
4	Keeping the name clean: [2â€“+â€“2] photocycloaddition. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 1333-1340.	2.9	1
5	Ultrafast Excited State Dynamics of Spatially Confined Organic Molecules. <i>Journal of Physical Chemistry A</i> , 2022, 126, 4681-4699.	2.5	6
6	Dynamics of Anthracene Excimer Formation within a Water-Soluble Nanocavity at Room Temperature. <i>Journal of the American Chemical Society</i> , 2021, 143, 2025-2036.	13.7	33
7	An Organic Capsule as a Matrix to Capture and Store Reactive Molecules at Room Temperature in Aqueous Solution: 7â€“cis â€“2â€“none. <i>Photochemistry and Photobiology</i> , 2021, , .	2.5	2
8	Fluorescence sensing of microplastics on surfaces. <i>Environmental Chemistry Letters</i> , 2021, 19, 1797-1802.	16.2	23
9	Remote electron and energy transfer sensitized photoisomerization of encapsulated stilbenes. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 976-986.	2.9	10
10	Spatial confinement alters the ultrafast photoisomerization dynamics of azobenzenes. <i>Chemical Science</i> , 2020, 11, 9513-9523.	7.4	28
11	Competing pathways for photoremovable protecting groups: the effects of solvent, oxygen and encapsulation. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 1364-1372.	2.9	6
12	Marcus Relationship Maintained During Ultrafast Electron Transfer Across a Supramolecular Capsular Wall. <i>Journal of Physical Chemistry A</i> , 2020, 124, 5297-5305.	2.5	12
13	Guest/Host Complexes of Octa Acid and Amphiphilic Benzylidene-3-methylimidazolidinones Exchange Hosts within the NMR Time Scale. <i>ACS Omega</i> , 2020, 5, 8230-8241.	3.5	6
14	Recent Highlights on Interfaces from India: A Virtual Issue. <i>Langmuir</i> , 2020, 36, 479-480.	3.5	0
15	Supramolecular photochemistry of encapsulated caged ortho-nitrobenzyl triggersâ€. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 2411-2420.	2.9	2
16	Reversal of Regioselectivity during Photodimerization of 2-Anthracenecarboxylic Acid in a Water-Soluble Organic Cavitand. <i>Organic Letters</i> , 2019, 21, 7868-7872.	4.6	22
17	Achiral Zeolites as Reaction Media for Chiral Photochemistry. <i>Molecules</i> , 2019, 24, 3570.	3.8	7
18	Room-Temperature Phosphorescence from Encapsulated Pyrene Induced by Xenon. <i>Journal of Physical Chemistry A</i> , 2019, 123, 9123-9131.	2.5	12

#	ARTICLE	IF	CITATIONS
19	Visible-Light-Triggered Selective Intermolecular [2+2] Cycloaddition of Extended Enones: 2-Oxo-3-enoates and 2,4-Dien-1-ones with Olefins. <i>Journal of Organic Chemistry</i> , 2019, 84, 9257-9269.	3.2	12
20	Ultrafast Solvation Dynamics Reveal that Octa Acid Capsule's Interior Dryness Depends on the Guest. <i>Journal of Physical Chemistry A</i> , 2019, 123, 5928-5936.	2.5	13
21	Space Constrained Stereoselective Geometric Isomerization of 1,2-Diphenylcyclopropane and Stilbenes in an Aqueous Medium. <i>Organic Letters</i> , 2019, 21, 5243-5247.	4.6	9
22	Ultrafast trans to cis Photoisomerization Dynamics of Alkyl-Substituted Stilbenes in a Supramolecular Capsule. <i>Journal of Physical Chemistry A</i> , 2019, 123, 5061-5071.	2.5	16
23	Modulation of Reduction Potentials of Bis(pyridinium)alkane Dications through Encapsulation within Cucurbit[7]uril. <i>Journal of Organic Chemistry</i> , 2019, 84, 8759-8765.	3.2	15
24	Ultrafast Dynamics of Encapsulated Molecules Reveals New Insight on the Photoisomerization Mechanism for Azobenzenes. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 121-127.	4.6	36
25	Cucurbiturils as Reaction Containers for Photocycloaddition of Olefins. <i>Israel Journal of Chemistry</i> , 2018, 58, 264-275.	2.3	21
26	Ultrafast Electron Transfer across a Nanocapsular Wall: Coumarins as Donors, Viologen as Acceptor, and Octa Acid Capsule as the Mediator. <i>Journal of Physical Chemistry B</i> , 2018, 122, 328-337.	2.6	19
27	Understanding the complexation of aliphatic and aromatic acids guests with octa acid. <i>Journal of Physical Organic Chemistry</i> , 2018, 31, e3795.	1.9	7
28	Probing the pH dependent assembly-disassembly of water-soluble organic capsules with coumarins and anthracene. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 355, 398-407.	3.9	7
29	In search of stable visible light absorbing photocatalysts: gold nanoclusters $\text{Au}_n\text{S}_m$ . <i>Journal of Chemical Sciences</i> , 2018, 130, 1.	1.5	2
30	Chemo- and Regioselective Synthesis of Alkynyl Cyclobutanes by Visible Light Photocatalysis. <i>Organic Letters</i> , 2018, 20, 6808-6811.	4.6	8
31	Supramolecular-Surface Photochemistry: Assembly and Photochemistry of Host-Guest Capsules on Silica Surface. <i>Organic Letters</i> , 2018, 20, 4187-4190.	4.6	3
32	Characterization and Singlet Oxygen Oxidation of 1-Alkyl Cyclohexenes Encapsulated Within a Water-Soluble Organic Capsule. <i>ChemPhotoChem</i> , 2018, 2, 655-666.	3.0	4
33	Competitive Binding of Organic Dyes between Cucurbiturils and Octa Acid. <i>ACS Omega</i> , 2018, 3, 5083-5091.	3.5	9
34	Luminescent supramolecular polymer nanoparticles for ratiometric hypoxia sensing, imaging and therapy. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1893-1899.	5.9	39
35	Photocatalysis with Quantum Dots and Visible Light: Selective and Efficient Oxidation of Alcohols to Carbonyl Compounds through a Radical Relay Process in Water. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3020-3024.	13.8	151
36	Photocatalysis with Quantum Dots and Visible Light: Selective and Efficient Oxidation of Alcohols to Carbonyl Compounds through a Radical Relay Process in Water. <i>Angewandte Chemie</i> , 2017, 129, 3066-3070.	2.0	32

#	ARTICLE	IF	CITATIONS
37	Melding Caged Compounds with Supramolecular Containers: Photogeneration and Miscreant Behavior of the Coumarylmethyl Carbocation. <i>Organic Letters</i> , 2017, 19, 3588-3591.	4.6	18
38	Volume Conserving Geometric Isomerization of Encapsulated Azobenzenes in Ground and Excited States and as Radical Ion. <i>Organic Letters</i> , 2017, 19, 6116-6119.	4.6	17
39	General and Efficient Intermolecular [2+2] Photodimerization of Chalcones and Cinnamic Acid Derivatives in Solution through Visible-Light Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15407-15410.	13.8	128
40	Ultrafast Electron Transfer from Upper Excited State of Encapsulated Azulenes to Acceptors across an Organic Molecular Wall. <i>Journal of Physical Chemistry C</i> , 2017, 121, 20205-20216.	3.1	12
41	ESI-MS of Cucurbituril Complexes Under Negative Polarity. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 2508-2514.	2.8	13
42	Container Chemistry: Manipulating excited state behavior of organic guests within cavities that form capsules in water. <i>Journal of Physical Organic Chemistry</i> , 2017, 30, e3728.	1.9	5
43	What Is the Optoelectronic Effect of the Capsule on the Guest Molecule in Aqueous Host/Guest Complexes? A Combined Computational and Spectroscopic Perspective. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15481-15488.	3.1	17
44	Water-soluble octa acid capsule as a reaction container: Templated photodimerization of indene in water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 317, 132-139.	3.9	9
45	Solid-state photochemistry of cis-cinnamic acids: a competition between [2 + 2] addition and cis-trans isomerization. <i>CrystEngComm</i> , 2016, 18, 4708-4712.	2.6	11
46	Room temperature phosphorescence from a guest molecule confined in the restrictive space of an organic-inorganic supramolecular assembly. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 959-963.	2.9	13
47	A Phosphorescent Platinum(II) Bipyridyl Supramolecular Polymer Based on Quadruple Hydrogen Bonds. <i>Chemistry - A European Journal</i> , 2016, 22, 18132-18139.	3.3	23
48	Photorelease of Incarcerated Caged Acids from Hydrophobic Coumaryl Esters into Aqueous Solution. <i>Organic Letters</i> , 2016, 18, 5480-5483.	4.6	16
49	Supramolecular Photochemistry as a Potential Synthetic Tool: Photocycloaddition. <i>Chemical Reviews</i> , 2016, 116, 9914-9993.	47.7	350
50	Reversible Disassembly/Assembly of Octa Acid-Guest Capsule in Water Triggered by a Photochromic Process. <i>Organic Letters</i> , 2016, 18, 1566-1569.	4.6	27
51	Sequential energy and electron transfer in a three-component system aligned on a clay nanosheet. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 5404-5411.	2.8	20
52	Confinement effect on the photophysics of ESIPT fluorophores. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2820-2827.	5.5	39
53	Supramolecular Surface Photochemistry: Cascade Energy Transfer between Encapsulated Dyes Aligned on a Clay Nanosheet Surface. <i>Langmuir</i> , 2016, 32, 2920-2927.	3.5	35
54	Photorelease of Incarcerated Guests in Aqueous Solution with Phenacyl Esters as the Trigger. <i>Organic Letters</i> , 2015, 17, 1276-1279.	4.6	22

#	ARTICLE	IF	CITATIONS
55	Supramolecular photochemistry concepts highlighted with select examples. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2015, 23, 68-102.	11.6	54
56	Identification of Guest-Host Inclusion Complexes in the Gas Phase by Electrospray Ionization-Mass Spectrometry. Journal of Chemical Education, 2015, 92, 1091-1094.	2.3	8
57	Photochemistry within a Water-Soluble Organic Capsule. Accounts of Chemical Research, 2015, 48, 2904-2917.	15.6	117
58	Supramolecular Photochemistry in Solution and on Surfaces: Encapsulation and Dynamics of Guest Molecules and Communication between Encapsulated and Free Molecules. Langmuir, 2015, 31, 5554-5570.	3.5	41
59	Supramolecular photochemistry: from molecular crystals to water-soluble capsules. Chemical Society Reviews, 2015, 44, 119-135.	38.1	62
60	A Latent Reaction in a Model GFP Chromophore Revealed upon Confinement: Photohydroxylation of <i>ortho</i> -Halo Benzylidene-3-methylimidazolidiones via an Electrocyclization Process. Organic Letters, 2014, 16, 3304-3307.	4.6	7
61	Photophysical studies of an encapsulated neutral guest intercalated into the 2-dimensional space of $\text{Zr(IV)}$ phosphate. Photochemical and Photobiological Sciences, 2014, 13, 301-309.	2.9	7
62	Supramolecular-Surface Photochemistry: Supramolecular Assembly Organized on a Clay Surface Facilitates Energy Transfer between an Encapsulated Donor and a Free Acceptor. Journal of Physical Chemistry C, 2014, 118, 10198-10203.	3.1	26
63	Excited state chemistry of flavone derivatives in a confined medium: ESIPT emission in aqueous media. Photochemical and Photobiological Sciences, 2014, 13, 992-996.	2.9	37
64	Release of Guests from Encapsulated Masked Hydrophobic Precursors by a Phototrigger. Organic Letters, 2013, 15, 4374-4377.	4.6	20
65	Control of spin-spin exchange interactions in polynitroxides through inclusion within $\beta$ -cyclodextrin. RSC Advances, 2013, 3, 427-431.	3.6	7
66	Photodimerization of hydrophobic guests within a water-soluble nanocapsule. Research on Chemical Intermediates, 2013, 39, 73-87.	2.7	15
67	Photochemical Reaction Containers as Energy and Electron-Transfer Agents. Organic Letters, 2013, 15, 1326-1329.	4.6	39
68	Deep-Cavity Cavitand Octa Acid as a Hydrogen Donor: Photofunctionalization with Nitrenes Generated from Azidoadamantanes. Journal of Organic Chemistry, 2013, 78, 1824-1832.	3.2	21
69	Hydrocarbons Depending on the Chain Length and Head Group Adopt Different Conformations within a Water-Soluble Nanocapsule: $^1\text{H}$ NMR and Molecular Dynamics Studies. Journal of Physical Chemistry B, 2013, 117, 398-407.	2.6	48
70	Excited State Chemistry of Capsular Assemblies in Aqueous Solution and on Silica Surfaces. Langmuir, 2012, 28, 10-16.	3.5	26
71	Ultrafast Photoinduced Electron Transfer between an Incarcerated Donor and a Free Acceptor in Aqueous Solution. Journal of the American Chemical Society, 2012, 134, 14718-14721.	13.7	56
72	Photoinduced Electron Transfer Across a Molecular Wall: Coumarin Dyes as Donors and Methyl viologen and $\text{TiO}_2$ as Acceptors. Langmuir, 2012, 28, 3355-3359.	3.5	42

#	ARTICLE	IF	CITATIONS
73	Photoinduced electron transfer between a donor and an acceptor separated by a capsular wall. <i>Chemical Communications</i> , 2012, 48, 2710.	4.1	39
74	Supramolecular control during triplet sensitized geometric isomerization of stilbenes encapsulated in a water soluble organic capsule. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1652-1660.	2.9	27
75	Gold Nanoparticles Functionalized with Deep-Cavity Cavitands: Synthesis, Characterization, and Photophysical Studies. <i>Langmuir</i> , 2012, 28, 11920-11928.	3.5	14
76	Cucurbituril Adamantanediazirine Complexes and Consequential Carbene Chemistry. <i>Journal of Organic Chemistry</i> , 2012, 77, 5155-5160.	3.2	19
77	Restricted rotation due to the lack of free space within a capsule translates into product selectivity: photochemistry of cyclohexyl phenyl ketones within a water-soluble organic capsule. <i>Chemical Communications</i> , 2011, 47, 2841.	4.1	37
78	New Water-Soluble Organic Capsules Are Effective in Controlling Excited-State Processes of Guest Molecules. <i>Organic Letters</i> , 2011, 13, 5092-5095.	4.6	33
79	CIDEP from a Polarized Ketone Triplet State Incarcerated within a Nanocapsule to a Nitroxide in the Bulk Aqueous Solution. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2877-2880.	4.6	22
80	Role of free space and weak interactions on geometric isomerization of stilbenes held in a molecular container. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1455-1462.	2.9	28
81	Ultrafast Singlet-Singlet Energy Transfer between an Acceptor Electrostatically Attached to the Walls of an Organic Capsule and the Enclosed Donor. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9593-9600.	3.1	33
82	Dynamics of capsuleplex formed between octaacid and organic guest molecules—Photophysical techniques reveal the opening and closing of capsuleplex. <i>Canadian Journal of Chemistry</i> , 2011, 89, 203-213.	1.1	43
83	Steric and Electronic Effects in Capsule-Confined Green Fluorescent Protein Chromophores. <i>Journal of the American Chemical Society</i> , 2011, 133, 712-715.	13.7	87
84	Photochemical Generation and Reactivity of Carbenes within an Organic Cavitand and Capsule: Photochemistry of Adamantanediazirines. <i>Organic Letters</i> , 2011, 13, 6074-6077.	4.6	30
85	Interaction between Encapsulated Excited Organic Molecules and Free Nitroxides: Communication Across a Molecular Wall. <i>Langmuir</i> , 2011, 27, 10548-10555.	3.5	33
86	Chemistry in Restricted Spaces: Select Photodimerizations in Cages, Cavities, and Capsules. <i>Israel Journal of Chemistry</i> , 2011, 51, 817-829.	2.3	45
87	Chemistry in Confined Spaces: High-Energy Conformer of a Piperidine Derivative is Favored Within a Water-Soluble Capsuleplex. <i>Organic Letters</i> , 2010, 12, 4544-4547.	4.6	14
88	Electron Spin Polarization Transfer from a Nitroxide Incarcerated within a Nanocapsule to a Nitroxide in the Bulk Aqueous Solution. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2628-2632.	4.6	33
89	Closed Nanocontainer Enables Thioketones to Phosphoresce at Room Temperature in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14320-14328.	2.6	34
90	Activation of Fluorescent Protein Chromophores by Encapsulation. <i>Journal of the American Chemical Society</i> , 2010, 132, 1498-1499.	13.7	79

#	ARTICLE	IF	CITATIONS
91	Guest Rotations within a Capsuleplex Probed by NMR and EPR Techniques. <i>Langmuir</i> , 2010, 26, 6943-6953.	3.5	46
92	Chiral photochemistry in a confined space: torquoselective photoelectrocyclization of pyridones within an achiral hydrophobic capsule. <i>Tetrahedron</i> , 2009, 65, 7277-7288.	1.9	37
93	Cavitand Octa Acid Forms a Nonpolar Capsuleplex Dependent on the Molecular Size and Hydrophobicity of the Guest. <i>Langmuir</i> , 2009, 25, 3473-3481.	3.5	72
94	Nature of Supramolecular Complexes Controlled by the Structure of the Guest Molecules: Formation of Octa Acid Based Capsuleplex and Cavitandplex. <i>Langmuir</i> , 2009, 25, 10575-10586.	3.5	67
95	Chiral photochemistry within a confined space: diastereoselective photorearrangements of a tropolone and a cyclohexadienone included in a synthetic cavitand. <i>Dalton Transactions</i> , 2009, , 4003.	3.3	28
96	Templation of the Excited-State Chemistry of $\hat{I}^{\pm}$ -( <i>n</i> -Alkyl) Dibenzyl Ketones: How Guest Packing within a Nanoscale Supramolecular Capsule Influences Photochemistry. <i>Journal of the American Chemical Society</i> , 2008, 130, 4069-4080.	13.7	118
97	An EPR and NMR Study of Supramolecular Effects on Paramagnetic Interaction between a Nitroxide Incarcerated within a Nanocapsule with a Nitroxide in Bulk Aqueous Media. <i>Journal of the American Chemical Society</i> , 2008, 130, 7206-7207.	13.7	53
98	Consequences of controlling free space within a reaction cavity with a remote alkyl group: photochemistry of para-alkyl dibenzyl ketones within an organic capsule in water. <i>Photochemical and Photobiological Sciences</i> , 2008, 7, 1555-1564.	2.9	39
99	Controlling Photochemical Geometric Isomerization of a Stilbene and Dimerization of a Styrene Using a Confined Reaction Cavity in Water. <i>Organic Letters</i> , 2007, 9, 5059-5062.	4.6	65
100	Controlling Photoreactions with Restricted Spaces and Weak Intermolecular Forces: Exquisite Selectivity during Oxidation of Olefins by Singlet Oxygen. <i>Journal of the American Chemical Society</i> , 2007, 129, 4132-4133.	13.7	166
101	Making a Difference on Excited-State Chemistry by Controlling Free Space within a Nanocapsule: Photochemistry of 1-(4-Alkylphenyl)-3-phenylpropan-2-ones. <i>Organic Letters</i> , 2007, 9, 3575-3578.	4.6	50
102	A Comparison Between Zeolites and Crystalline State as Reaction Media: Asymmetric Induction During Photocyclization of $\hat{I}^{\pm}$ -Mesitylacetophenones to 2-Indanols. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 456, 71-84.	0.9	5
103	A Hydrophobic Nanocapsule Controls the Photophysics of Aromatic Molecules by Suppressing Their Favored Solution Pathways. <i>Journal of the American Chemical Society</i> , 2005, 127, 3674-3675.	13.7	219
104	Templating Photodimerization of <i>trans</i> -Cinnamic Acids with Cucurbit[8]uril and $\hat{I}^3$ -Cyclodextrin. <i>Organic Letters</i> , 2005, 7, 529-532.	4.6	159
105	Controlling Photochemistry with Distinct Hydrophobic Nanoenvironments. <i>Journal of the American Chemical Society</i> , 2004, 126, 14366-14367.	13.7	149
106	Asymmetric Photoreactions within Zeolites: Role of Confinement and Alkali Metal Ions. <i>Accounts of Chemical Research</i> , 2003, 36, 509-521.	15.6	168
107	Controlling chemistry with cations: photochemistry within zeolites. <i>Chemical Communications</i> , 2003, , 1987.	4.1	38
108	Confined space and cations enhance the power of a chiral auxiliary: photochemistry of 1,2-diphenylcyclopropane derivatives Electronic supplementary information (ESI) available: experimental details of irradiation, extraction and analysis of products, and representative synthesis and spectral data of reactant <i>cis</i> and product <i>trans</i> isomers; total number of pages 21. See <a href="http://www.rsc.org/suppdata/cc/b2/b200640e/">http://www.rsc.org/suppdata/cc/b2/b200640e/</a> . <i>Chemical Communications</i> , 2002, , 830-831.	4.1	15



#	ARTICLE	IF	CITATIONS
109	Enhanced Enantio- and Diastereoselectivity via Confinement and Cation Binding: Yang Photocyclization of 2-Benzoyladamantane Derivatives within Zeolites. Journal of Organic Chemistry, 2002, 67, 8339-8350.	3.2	23
110	Cation controlled singlet oxygen mediated oxidation of olefins within zeolites. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 153, 55-65.	3.9	24
111	Configuration interaction and density functional study of the influence of lithium cation complexation on vertical and adiabatic excitation energies of enones. Journal of Computational Chemistry, 2001, 22, 1598-1604.	3.3	16
112	Singlet Oxygen Mediated Oxidation of Olefins within Zeolites: Selectivity and Complexities. Tetrahedron, 2000, 56, 6927-6943.	1.9	58
113	Chirally Modified Zeolites as Reaction Media: Photochemistry of an Achiral Tropolone Ether. Organic Letters, 2000, 2, 119-121.	4.6	74
114	Heavy-Cation-Induced Phosphorescence of Alkanones and Azoalkanes in Zeolites As Hosts: Induced S1(nπ*) to T1(nπ*) Intersystem Crossing and S0 to T1(nπ*) Absorption. Journal of the American Chemical Society, 2000, 122, 11025-11026.	13.7	28
115	Understanding the Influence of Active (Zeolite) and Passive (Polyethylene) Reaction Cages on Photo-Claisen Rearrangements of Aryl Benzyl Ethers. Langmuir, 2000, 16, 6977-6981.	3.5	26
116	Photochemistry of a Tropolone Ether and 2,2-Dimethyl-1-(2H)-naphthalenones within a Zeolite: Enhanced Diastereoselectivity via Confinement. Journal of the American Chemical Society, 2000, 122, 728-729.	13.7	85
117	Cation-Interaction Controlled Selective Geometric Photoisomerization of Diphenylcyclopropane. Journal of the American Chemical Society, 2000, 122, 4815-4816.	13.7	55
118	Enantioselective Photoreduction of Arylalkyl Ketones via Restricting the Reaction to Chirally Modified Zeolite Cages. Organic Letters, 2000, 2, 937-940.	4.6	18
119	Probing Zeolites with Organic Molecules: Supercages of X and Y Zeolites Are Superpolar. Langmuir, 2000, 16, 265-274.	3.5	79
120	Detection and Estimation of Brønsted Acidities in Alkali Metal Cation Exchanged X and Y Zeolites. Langmuir, 1998, 14, 6687-6692.	3.5	26
121	Generation and reactivity of singlet oxygen within zeolites: remarkable control of hydroperoxidation of alkenes. Chemical Communications, 1997, , 1071-1072.	4.1	53
122	Selective Oxidation of Olefins within Organic Dye Cation-Exchanged Zeolites. Journal of the American Chemical Society, 1996, 118, 10666-10667.	13.7	87
123	Remarkable Product Selectivity During Photo-Fries and Photo-Claisen Rearrangements within Zeolites. Journal of the American Chemical Society, 1996, 118, 9428-9429.	13.7	91
124	Organic Guests within Zeolites: Xenon as a Photophysical Probe. Journal of the American Chemical Society, 1994, 116, 1345-1351.	13.7	37
125	Control of dye assembly within zeolites: role of water. Journal of the American Chemical Society, 1993, 115, 10438-10439.	13.7	100
126	Photochemistry in organized and confining media: a model. Accounts of Chemical Research, 1993, 26, 530-536.	15.6	228



#	ARTICLE	IF	CITATIONS
127	Photochemical and photophysical studies of organic molecules included within zeolites. Accounts of Chemical Research, 1992, 25, 299-307.	15.6	167
128	Heavy-atom-induced phosphorescence of aromatics and olefins included within zeolites. Journal of the American Chemical Society, 1992, 114, 3882-3892.	13.7	127
129	Modification of photochemical reactivity by zeolites: Arrested molecular rotation of polyenes by inclusion in zeolites. Journal of Photochemistry and Photobiology A: Chemistry, 1990, 51, 259-263.	3.9	34
130	Triplet-state photophysics of naphthalene and .alpha.,.omega.-diphenylpolyenes included in heavy-cation-exchanged zeolites. The Journal of Physical Chemistry, 1990, 94, 3391-3393.	2.9	54
131	Photophysics and intramolecular photochemistry of thiones in solution. Accounts of Chemical Research, 1988, 21, 380-386.	15.6	64
132	Photochemistry and photophysics within cyclodextrin cavities. Accounts of Chemical Research, 1988, 21, 300-306.	15.6	245
133	Photochemical reactions of organic crystals. Chemical Reviews, 1987, 87, 433-481.	47.7	905
134	Consequences of hydrophobic association in photoreactions: photodimerization of stilbenes in water. Journal of Organic Chemistry, 1986, 51, 3712-3715.	3.2	68
135	Modification of the photochemical behaviour of organic molecules by cyclodextrin: Geometric isomerization of stilbenes and alkyl cinnamates. Journal of Photochemistry and Photobiology, 1986, 34, 219-229.	0.6	46
136	Organic photochemistry in organized media. Tetrahedron, 1986, 42, 5753-5839.	1.9	270
137	Efficiency of singlet oxygen production by thiocarbonyls. Journal of Photochemistry and Photobiology, 1982, 18, 293-299.	0.6	16
138	Energy wastage in organic photochemistry: self-quenching in thiones. Journal of Photochemistry and Photobiology, 1979, 11, 135-138.	0.6	24
139	Photochemistry and photophysics of a polycyclic azoalkane. Solvent and temperature effects. Recueil Des Travaux Chimiques Des Pays-Bas, 1979, 98, 173-176.	0.0	15
140	The effect of wavelength on organic photoreactions in solution. Reactions from upper excited states. Chemical Reviews, 1978, 78, 125-145.	47.7	228
141	Photochemistry of polyenes. IX. Excitation, relaxation, and deactivation of dienes, trienes, and higher polyenes in the vitamin A series in the sensitized isomerization reaction. Journal of the American Chemical Society, 1976, 98, 2935-2942.	13.7	66
142	7-Cis isomers of retinal via 7-cis- and 7,9-dicis- $\hat{1}^2$ -C18-tetraene ketones. Tetrahedron, 1975, 31, 201-206.	1.9	47
143	Photochemistry of polyenes. VII. Preferred directions of photoisomerization of ionylideneacetaldehyde and the C18-tetraene ketone in the retinal series. Synthesis of the hindered 7-cis isomers. Journal of the American Chemical Society, 1974, 96, 5625-5627.	13.7	14
144	Photochemistry of polyenes. III. Preparation of 7-cis-ionyl and ionylidene derivatives and other sterically hindered olefins by one-way sensitized geometric isomerization. Journal of Organic Chemistry, 1973, 38, 1247-1249.	3.2	40

#	ARTICLE	IF	CITATIONS
145	A Model for the Influence of Organized Media on Photochemical Reactions. Advances in Photochemistry, 0, , 67-234.	0.4	50