Rajendra Singh Rathore

List of Publications by Year
in descending order

159 papers	5,090 citations	87723 38 h-index	114278 63 g-index
173 all docs	173 docs citations	173 times ranked	4644 citing authors

#	Article	IF	Citations
1	Oxidative Câ^'C Bond Formation (Scholl Reaction) with DDQ as an Efficient and Easily Recyclable Oxidant. Organic Letters, 2009, 11, 3474-3477.	2.4	247
2	Probing the Arenium-Ion (ProtonTransfer) versus the Cation-Radical (Electron Transfer) Mechanism of Scholl Reaction Using DDQ as Oxidant. Journal of Organic Chemistry, 2010, 75, 4748-4760.	1.7	204
3	Stable Dimeric Aromatic Cationâ^'Radicals. Structural and Spectral Characterization of Through-Space Charge Delocalization. Journal of Organic Chemistry, 2000, 65, 6826-6836.	1.7	148
4	Synthesis, Structure, and Evaluation of the Effect of Multiple Stacking on the Electron-Donor Properties of Ï€-Stacked Polyfluorenes. Journal of the American Chemical Society, 2003, 125, 8712-8713.	6.6	144
5	Steric Control of Electron Transfer. Changeover from Outer-Sphere to Inner-Sphere Mechanisms in Arene/Quinone Redox Pairs. Journal of the American Chemical Society, 1999, 121, 617-626.	6.6	137
6	Synthesis, Optical, and Electronic Properties of Soluble Poly-p-phenylene Oligomers as Models for Molecular Wires. Journal of the American Chemical Society, 2009, 131, 1780-1786.	6.6	128
7	Multiple-Electron Transfer in a Single Step. Design and Synthesis of Highly Charged Cation-Radical Salts. Organic Letters, 2001, 3, 2887-2890.	2.4	112
8	ortho-Phenylenes: Unusual Conjugated Oligomers with a Surprisingly Long Effective Conjugation Length. Journal of the American Chemical Society, 2010, 132, 13848-13857.	6.6	111
9	Sequential Oxidative Transformation of Tetraarylethylenes to 9,10-Diarylphenanthrenes and Dibenzo[g,p]chrysenes using DDQ as an Oxidant. Organic Letters, 2011, 13, 1634-1637.	2.4	111
10	Practical Synthesis of Unsymmetrical Tetraarylethylenes and Their Application for the Preparation of [Triphenylethyleneâ^'Spacerâ^'Triphenylethylene] Triads. Journal of Organic Chemistry, 2007, 72, 8054-8061.	1.7	102
11	Crossover from Single-Step Tunneling to Multistep Hopping for Molecular Triplet Energy Transfer. Science, 2010, 328, 1547-1550.	6.0	101
12	A Practical One-Pot Synthesis of Soluble Hexa-peri-hexabenzocoronene and Isolation of Its Cation-Radical Salt. Journal of Organic Chemistry, 2003, 68, 4071-4074.	1.7	91
13	Novel potentiometric and optical silver ion-selective sensors with subnanomolar detection limits. Analytica Chimica Acta, 2006, 572, 1-10.	2.6	90
14	Synthesis and Isolation of Polytrityl Cations by Utilizing Hexaphenylbenzene and Tetraphenylmethane Scaffolds. Journal of Organic Chemistry, 2004, 69, 1524-1530.	1.7	86
15	Isolation of Novel Radical Cations from Hydroquinone Ethers. Conformational Transition of the Methoxy Group upon Electron Transfer. Journal of Organic Chemistry, 1995, 60, 4399-4411.	1.7	77
16	Preparation of a tetraphenylethylene-based emitter: Synthesis, structure and optoelectronic properties of tetrakis(pentaphenylphenyl)ethylene. Chemical Communications, 2010, 46, 1065.	2.2	77
17	Key Role of End-Capping Groups in Optoelectronic Properties of Poly-p-phenylene Cation Radicals. Journal of Physical Chemistry C, 2014, 118, 21400-21408.	1.5	76
18	Guest Penetration Deep within the Cavity of Calix[4]arene Hosts: The Tight Binding of Nitric Oxide to Distal (Cofacial) Aromatic Groups. Angewandte Chemie - International Edition, 2000, 39, 2123-2127.	7.2	75

#	Article	IF	Citations
19	Hopping of a Single Hole inhexakis[4-(1,1,2-Triphenyl-ethenyl)phenyl]benzene Cation Radical through the Hexaphenylbenzene Propeller. Organic Letters, 2004, 6, 1689-1692.	2.4	75
20	Acid Catalysis vs. Electron-Transfer Catalysis via Organic Cations or Cation-Radicals as the Reactive Intermediate. Are These Distinctive Mechanisms?. Acta Chemica Scandinavica, 1998, 52, 114-130.	0.7	75
21	A Facile Synthesis of Elusive Alkoxy-Substituted Hexa-peri-hexabenzocoronene. Organic Letters, 2008, 10, 5139-5142.	2.4	73
22	Simultaneous Ejection of Six Electrons at a Constant Potential by Hexakis(4-ferrocenylphenyl)benzene. Organic Letters, 2006, 8, 5041-5044.	2.4	72
23	A Redox-Controlled Molecular Switch Based on the Reversible Câ‹¯C Bond Formation in Octamethoxytetraphenylene. Angewandte Chemie - International Edition, 2000, 39, 809-812.	7.2	65
24	A Versatile and Conformationally Adaptable Fluorene-Based Receptor for Efficient Binding of Silver Cation. Journal of the American Chemical Society, 2005, 127, 8012-8013.	6.6	63
25	Synthesis of a Calix[4]arene Derivative for Isolation of a Stable Cation Radical Salt for Use as a Colorimetric Sensor of Nitric Oxide. Journal of the American Chemical Society, 2004, 126, 13582-13583.	6.6	56
26	A Convenient Method of Benzylic Oxidation with Pyridinium Chlorochromate. Synthetic Communications, 1986, 16, 1493-1498.	1.1	55
27	A search for blues brothers: X-ray crystallographic/spectroscopic characterization of the tetraarylbenzidine cation radical as a product of aging of solid magic blue. Organic and Biomolecular Chemistry, 2016, 14, 2961-2968.	1.5	54
28	Soluble cycloannulated tetroxa[8]circulane derivatives: synthesis, optical and electrochemical properties, and generation of their robust cationâ€“radical salts. Tetrahedron Letters, 2004, 45, 5267-5270.	0.7	53
29	Electrochemistry and Electrogenerated Chemiluminescence of Ï€-Stacked Poly(fluorenemethylene) Oligomers. Multiple, Interacting Electron Transfers. Journal of the American Chemical Society, 2012, 134, 16265-16274.	6.6	52
30	The HOMO Nodal Arrangement in Polychromophoric Molecules and Assemblies Controls the Interchromophoric Electronic Coupling. Angewandte Chemie - International Edition, 2015, 54, 14468-14472.	7.2	51
31	A Circle Has No End: Role of Cyclic Topology and Accompanying Structural Reorganization on the Hole Distribution in Cyclic and Linear Poly-p-phenylene Molecular Wires. Journal of the American Chemical Society, 2015, 137, 14999-15006.	6.6	50
32	Î±-Nitration of KetonesviaEnol Silyl Ethers. Radical Cations as Reactive Intermediates in Thermal and Photochemical Processes. Journal of Organic Chemistry, 1996, 61, 627-639.	1.7	49
33	A Polyaromatic Receptor with an Ethereal Fence that Directs K+for Effective Cationâ‹¯Ï€ Interaction. Journal of the American Chemical Society, 2006, 128, 5328-5329.	6.6	49
34	Charge Delocalization in Self-Assembled Mixed-Valence Aromatic Cation Radicals. Langmuir, 2012, 28, 71-83.	1.6	49
35	Structural Characterization of Quaterphenyl Cation Radical:Â X-ray Crystallographic Evidence of Quinoidal Charge Delocalization in Poly-p-phenylene Cation Radicals. Journal of the American Chemical Society, 2007, 129, 8070-8071.	6.6	48
36	Isolation and X-ray Structure of Chloroarenium Cations as Wheland Intermediates in Electrophilic Aromatic Chlorination. Journal of the American Chemical Society, 1998, 120, 13278-13279.	6.6	46

#	Article	IF	Citations
37	Molecular Actuator: Redox-Controlled Clam-Like Motion in a Bichromophoric Electron Donor. Organic Letters, 2009, 11, 1939-1942.	2.4	44
38	Radical-Cation Catalysis in the Synthesis of Diphenylmethanes via the Dealkylative Coupling of Benzylic Ethers. Journal of Organic Chemistry, 1995, 60, 7479-7490.	1.7	40
39	Dynamic Phosphorylation of the C Terminus of Hsp70 Regulates the Mitochondrial Import of SOD2 and Redox Balance. Cell Reports, 2018, 25, 2605-2616.e7.	2.9	40
40	A Simple and Mild Method for thecis-Hydroxylation of Alkenes with Cetyltrimethylammonium Permanganate. Synthesis, 1984, 1984, 431-433.	1.2	39
41	Electron Transfer Prompted Ejection of a Tightly Bound K+from the Ethereal Cavity of a Hexaarylbenzene-Based Receptor. Organic Letters, 2007, 9, 1291-1294.	2.4	39
42	Synthesis, Electronic Properties, and X-ray Structural Characterization of Tetrarylbenzo[1,2-b:4,5-bâ€²]difuran Cation Radicals. Organic Letters, 2008, 10, 3587-3590.	2.4	39
43	Octamethoxydibenzochrysene: isolation and X-ray crystallographic characterization of a twisted polyaromatic cation radical. Chemical Communications, 2009, , 2857.	2.2	39
44	Toroidal Hopping of a Single Hole through the Circularly-Arrayed Naphthyl Groups in Hexanaphthylbenzene Cation Radical. Journal of Physical Chemistry A, 2006, 110, 13003-13006.	1.1	38
45	An Efficient Venus Flytrap for the Reversible Binding of Nitric Oxide. Angewandte Chemie - International Edition, 1998, 37, 1585-1587.	7.2	37
46	Isolation and X-ray structural characterization of tetraisopropylpyrene cation radical. Chemical Communications, 2008, , 1889.	2.2	37
47	Intramolecular (electron) delocalization between aromatic donors and their tethered cationâ€“radicals. Application of electrochemical and structural probesâ€. Perkin Transactions II RSC, 2001, , 1585-1594.	1.1	35
48	A Remarkably Efficient Synthesis of Purecis-Stilbenoid Hydrocarbons Usingtrans-Dibromoalkenes via Palladium Catalysis. Journal of the American Chemical Society, 2002, 124, 14832-14833.	6.6	35
49	Facile preparation of Î±-nitroketones from enol silyl ethers. Tetrahedron Letters, 1993, 34, 1859-1862.	0.7	34
50	Donor/acceptor organizations and the electron-transfer paradigm for organic reactivity. Advances in Physical Organic Chemistry, 2000, 35, 193-318.	0.5	34
51	Convenient preparation of quinones via the catalytic autoxidation of hydroquinones with nitrogen oxides. Tetrahedron Letters, 1994, 35, 1335-1338.	0.7	32
52	Cofacial Phenylene Donors as Novel Organic Sensors for the Reversible Binding of Nitric Oxide. Journal of Organic Chemistry, 1998, 63, 8630-8631.	1.7	32
53	A Versatile Preparation of GelÃnder-Type p-Terphenyls from a Readily Available Diacetylenic Precursor. Organic Letters, 2009, 11, 4656-4659.	2.4	32
54	Calculations of the Optical Spectra of Hydrocarbon Radical Cations Based on Koopmans' Theorem. Journal of Physical Chemistry A, 2007, 111, 1667-1676.	1.1	30

#	Article	IF	Citations
55	Energy Gap between the Poly-p-phenylene Bridge and Donor Groups Controls the Hole Delocalization in Donorâ€“Bridgeâ€“Donor Wires. Journal of the American Chemical Society, 2016, 138, 16337-16344.	6.6	29
56	A Versatile Synthesis of Electroactive Stilbenoprismands for Effective Binding of Metal Cations. Journal of Organic Chemistry, 2009, 74, 2080-2087.	1.7	28
57	X-ray Structural Characterization of Charge Delocalization onto the Three Equivalent Benzenoid Rings in Hexamethoxytriptycene Cation Radical. Organic Letters, 2009, 11, 2253-2256.	2.4	27
58	HÃ¼ckel Theory + Reorganization Energy = Marcusâ€“Hush Theory: Breakdown of the 1/n Trend in Ï€-Conjugated Poly-p-phenylene Cation Radicals Is Explained. Journal of Physical Chemistry C, 2017, 121, 1552-1561.	1.5	27
59	Spontaneous oxidation of organic donors to their cation radicals using BrÃ¸nsted acids. Identification of the elusive oxidantâ€Šâ€. Perkin Transactions II RSC, 2000, , 1837-1840.	1.1	26
60	Convergent Synthesis of Alternating Fluorene-p-xylene Oligomers and Delineation of the (Silver) Cation-Induced Folding. Journal of the American Chemical Society, 2007, 129, 8458-8465.	6.6	25
61	Game of Frontier Orbitals: A View on the Rational Design of Novel Charge-Transfer Materials. Journal of Physical Chemistry Letters, 2018, 9, 3978-3986.	2.1	25
62	Highly Selective Synthesis of Pillar[n]arene (n = 5, 6). Organic Letters, 2018, 20, 6583-6586.	2.4	24
63	Redox-Induced Transformation from an Extended to a ?-Stacked Conformer in Acyclic Bis(catecholacetal)s of Acetylacetone. Angewandte Chemie - International Edition, 2005, 44, 2771-2774.	7.2	23
64	Intramolecular Electron Transfer in Cofacially Ï€-Stacked Fluorenes:Â Evidence of Tunneling. Journal of Physical Chemistry B, 2006, 110, 1536-1540.	1.2	23
65	Subgap Two-Photon States in Polycyclic Aromatic Hydrocarbons: Evidence for Strong Electron Correlations. Journal of Physical Chemistry C, 2014, 118, 3331-3339.	1.5	23
66	Quantitative generation of cation radicals and dications using aromatic oxidants: effect of added electrolyte on the redox potentials of aromatic electron donors. Journal of Physical Organic Chemistry, 2016, 29, 227-233.	0.9	23
67	An easy preparation of simple sultines and hydroxyalkanesulfinate salts. Tetrahedron Letters, 1989, 30, 2763-2766.	0.7	22
68	Structural Characterization of Novel Olefinic Cation Radicals: X-ray Crystallographic Evidence of Ïƒâ€“Ï€ Hyperconjugation. Angewandte Chemie - International Edition, 2000, 39, 3671-3674.	7.2	22
69	Hexabenzo[4.4.4]propellane:â€‰ A Helical Molecular Platform for the Construction of Electroactive Materials. Organic Letters, 2007, 9, 4091-4094.	2.4	22
70	Does Koopmansâ€™ Paradigm for 1-Electron Oxidation Always Hold? Breakdown of IP/E_{ox} Relationship for p-Hydroquinone Ethers and the Role of Methoxy Group Rotation. Journal of Physical Chemistry Letters, 2015, 6, 3373-3378.	2.1	22
71	Highly Selective Oxidative Cleavage of Aryl Substituted Olefins with Pyridinium Chlorochromate. Synthetic Communications, 1985, 15, 769-774.	1.1	21
72	Quantitative assessment of electron-donor properties of enol silyl ethers: Charge-transfer complex formation, photoelectron spectra and transient electrochemical oxidation. Tetrahedron Letters, 1994, 35, 8577-8580.	0.7	20

#	Article	IF	Citations
73	A New Class of Chiroptical Molecular Switches Based on the Redox-Induced Conformational Changes. Organic Letters, 2007, 9, 3977-3980.	2.4	20
74	Synthesis and electronic properties of iso-alkyl substituted hexa-peri-hexabenzocoronenes (HBCâ€™s) from a versatile new HBC synthon, hexakis(4-acetylphenyl)benzene. Tetrahedron Letters, 2008, 49, 4869-4872.	0.7	20
75	Synthesis and electronic properties of nanometer-size symmetrical tetrakis(poly-p-phenylene)ethylenes. Tetrahedron Letters, 2009, 50, 6159-6162.	0.7	20
76	Substituent directed oxidative cyclization with cetyltrimethylammonium permanganate: A general approach to the synthesis of Î³- and Î´-lactones. Tetrahedron Letters, 1986, 27, 4079-4082.	0.7	19
77	Vicinal-diaryl interactions in stilbenoid hydrocarbons as observed in the through-space charge delocalization of their cation radicals. Canadian Journal of Chemistry, 1999, 77, 913-921.	0.6	19
78	Affinity capillary electrophoresis and density functional theory employed for the characterization of hexaarylbenzeneâ€based receptor complexation with alkali metal ions. Electrophoresis, 2011, 32, 981-987.	1.3	19
79	Ask Not How Many, But Where They Are: Substituents Control Energetic Ordering of Frontier Orbitals/Electronic Structures in Isomeric Methoxy-Substituted Dibenzochrysenes. Journal of Physical Chemistry C, 2018, 122, 2539-2545.	1.5	19
80	A combined extraction and DFT study on the complexation of H3O+ with a hexaarylbenzene-based receptor. Monatshefte FÃ¼r Chemie, 2010, 141, 737-741.	0.9	18
81	Inclusion of Asymptotic Dependence of Reorganization Energy in the Modified Marcus-Based Multistate Model Accurately Predicts Hole Distribution in Poly-p-phenylene Wires. Journal of Physical Chemistry C, 2016, 120, 6402-6408.	1.5	18
82	Regioselectivity in the Scholl Reaction: Mono and Double [7]Helicenes. Organic Letters, 2021, 23, 5170-5174.	2.4	17
83	Duplexiphane:â€‰ A Polyaromatic Receptor Containing Two Adjoined Î”-Shaped Cavities for an Efficient Hopping of a Single Silver Cation. Organic Letters, 2008, 10, 389-392.	2.4	16
84	Poly-p-hydroquinone Ethers: Isoenergetic Molecular Wires with Length-Invariant Oxidation Potentials and Cation Radical Excitation Energies. Journal of the American Chemical Society, 2017, 139, 4334-4337.	6.6	16
85	Dual Specificity Phosphatase 5â€Substrate Interaction: A Mechanistic Perspective. , 2017, 7, 1449-1461.		16
86	The Role of Torsional Dynamics on Hole and Exciton Stabilization in Ï€â€Stacked Assemblies: Design of Rigid Torsionomers of a Cofacial Bifluorene. Angewandte Chemie - International Edition, 2018, 57, 8189-8193.	7.2	16
87	Strength of Ï€-Stacking, from Neutral to Cation: Precision Measurement of Binding Energies in an Isolated Ï€-Stacked Dimer. Journal of Physical Chemistry Letters, 2018, 9, 2058-2061.	2.1	15
88	Sulfenes. , 0, , 697-766.		14
89	Experimental and theoretical study on the interaction of the pyridinium cation with a hexaarylbenzene-based receptor. Monatshefte FÃ¼r Chemie, 2015, 146, 521-525.	0.9	14
90	First Experimental Evidence for the Diverse Requirements of Excimer vs Hole Stabilization in Ï€-Stacked Assemblies. Journal of Physical Chemistry Letters, 2016, 7, 3042-3045.	2.1	14

#	Article	IF	Citations
91	Nodal Arrangement of HOMO Controls the Turning On/Off the Electronic Coupling in Isomeric Polypyrene Wires. Journal of Physical Chemistry C, 2017, 121, 9202-9208.	1.5	14
92	Cooperative interaction of protonated hexamethylenetetramine with a hexaarylbenzene-based receptor: Experimental and theoretical study. Journal of Molecular Structure, 2012, 1014, 7-11.	1.8	13
93	Study of FÃ¶rster Resonance Energy Transfer to Lipid Domain Markers Ascertains Partitioning of Semisynthetic Lipidated N-Ras in Lipid Raft Nanodomains. Biochemistry, 2018, 57, 872-881.	1.2	13
94	Ï‰-HYDROXY-1-ALKANESULFONYL CHLORIDES. Phosphorous and Sulfur and the Related Elements, 1987, 31, 161-175.	0.2	12
95	Preparation of Chiral Cholestanofluorene and Its Electron-Rich Derivatives for Isolation of a Stable Cationâ^'Radical Salt. Journal of Organic Chemistry, 2007, 72, 1765-1769.	1.7	12
96	Direct Observation of Electron-Transfer-Induced Conformational Transformation (Molecular) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 T 14592-14595.	1.2	12
97	Twoâ€™s Company, Threeâ€™s a Crowd: Exciton Localization in Cofacially Arrayed Polyfluorenes. Journal of Physical Chemistry Letters, 2016, 7, 2915-2920.	2.1	12
98	Dihedralâ€Angleâ€Controlled Crossover from Static Hole Delocalization to Dynamic Hopping in Biaryl Cation Radicals. Angewandte Chemie - International Edition, 2017, 56, 266-269.	7.2	12
99	FHBC, a Hexaâ€periâ€hexabenzocoroneneâ€“Fluorene Hybrid: A Platform for Highly Soluble, Easily Functionalizable HBCs with an Expanded Graphitic Core. Angewandte Chemie - International Edition, 2018, 57, 790-794.	7.2	12
100	Intramolecular Câ^'H/Câ^'D Exchange in Cofacially Stacked Polyfluorenes via Electron-Induced Bond Activation. Journal of the American Chemical Society, 2005, 127, 5282-5283.	6.6	11
101	Preparation of a Polymer-Supported Fluorene-Based Receptor for Quantitative and Efficient Binding of Silver Cations. Chemistry - A European Journal, 2007, 13, 6508-6513.	1.7	11
102	From Static to Dynamic: Electron Density of HOMO at Biaryl Linkage Controls the Mechanism of Hole Delocalization. Journal of the American Chemical Society, 2018, 140, 4765-4769.	6.6	11
103	HYDROXYALKANESULFONYL CHLORIDES FROM CHLORINATION OF HYDROXYALKANESULFINATE SALTS IN A NONPOLAR MEDIUM: 3-HYDROXY-1-PROPANESULFONYL AND 4-HYDROXY-1-BUTANESULFONYL CHLORIDES. Phosphorous and Sulfur and the Related Elements, 1987, 33, 165-171.	0.2	10
104	Oxidative dealkylation of hydroquinone ethers with nitrogen dioxide in the convenient preparation of quinones. Journal of the Chemical Society Perkin Transactions II, 1994, , 1157.	0.9	10
105	Protein expression, characterization and activity comparisons of wild type and mutant DUSP5 proteins. BMC Biochemistry, 2014, 15, 27.	4.4	10
106	Effect of Facial Encumbrance on Excimer Formation and Charge Resonance Stabilization in Model Bichromophoric Assemblies. Journal of Physical Chemistry C, 2017, 121, 15580-15588.	1.5	10
107	Ï€-Ï€ stacking vs. Câ€“H/Ï€ interaction: Excimer formation and charge resonance stabilization in van der Waals clusters of 9,9â€²-dimethylfluorene. Journal of Chemical Physics, 2018, 149, 134314.	1.2	10
108	Photophysical properties of 1,3,6,8-tetraarylpyrenes and their cation radicals. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 375, 209-218.	2.0	10

#	Article	IF	Citations
109	A Practical Synthesis of 1,4,5,8-Tetramethoxyanthracene from Inexpensive and Readily Available 1,8-Dihydroxyanthraquinone. Synthesis, 2012, 44, 805-809.	1.2	9
110	Cofacially Arrayed Polyfluorenes: Spontaneous Formation of Ï€-Stacked Assemblies in the Gas Phase. Journal of Physical Chemistry Letters, 2017, 8, 5272-5276.	2.1	9
111	Vertical vs. adiabatic ionization energies in solution and gas-phase: probing ionization-induced reorganization in conformationally-mobile bichromophoric actuators using photoelectron spectroscopy, electrochemistry and theory. Physical Chemistry Chemical Physics, 2018, 20, 25615-25622.	1.3	9
112	An electron-transfer induced conformational transformation: from non-cofacial â€œsofaâ€•to cofacial â€œboatâ€•in cyclotetraveratrylene (CTTV) and formation of charge transfer complexes. Organic and Biomolecular Chemistry, 2018, 16, 5712-5717.	1.5	9
113	Comment on â€œSynthesis, Characterization, and Structures of Persistent Aniline Radical Cationâ€: It Is a Protonated Aniline and Not an Aniline Radical Cation. Angewandte Chemie - International Edition, 2014, 53, 938-942.	7.2	8
114	Identification of inhibitors that target dual-specificity phosphatase 5 provide new insights into the binding requirements for the two phosphate pockets. BMC Biochemistry, 2015, 16, 19.	4.4	8
115	Interplay between Entropy and Enthalpy in (Intramolecular) Cyclophane-Like Folding versus (Intermolecular) Dimerization of Diarylalkane Cation Radicals. Journal of Physical Chemistry C, 2016, 120, 19558-19565.	1.5	8
116	Unraveling the Coulombic Forces in Electronically Decoupled Bichromophoric Systems during Two Successive Electron Transfers. Chemistry - A European Journal, 2017, 23, 8834-8838.	1.7	8
117	From Intramolecular (Circular) in an Isolated Molecule to Intermolecular Hole Delocalization in a Twoâ€Dimensional Solidâ€State Assembly: The Case of Pillarene. Angewandte Chemie - International Edition, 2018, 57, 2144-2149.	7.2	8
118	Synthesis of Doubly Annulated mâ€Terphenylâ€Based Molecular Tweezers and Their Chargeâ€Transfer Complexes with DDQ as a Guest. Chemistry - A European Journal, 2018, 24, 13106-13109.	1.7	8
119	Isolation and X-ray structural characterization of a dicationic homotrimer of 2,3,6,7-tetramethoxy-9,10-dimethylanthracene cation radical. Tetrahedron Letters, 2009, 50, 6687-6690.	0.7	7
120	Interaction of protonated tyramine with a hexaarylbenzene-based receptor: Extraction and DFT study. Journal of Molecular Structure, 2013, 1047, 277-281.	1.8	7
121	Isolation of a chiral anthracene cation radical: X-ray crystallography and computational interrogation of its racemization. Chemical Communications, 2017, 53, 2748-2751.	2.2	7
122	Dihedralâ€Angleâ€Controlled Crossover from Static Hole Delocalization to Dynamic Hopping in Biaryl Cation Radicals. Angewandte Chemie, 2017, 129, 272-275.	1.6	7
123	Serendipitous discovery of light-induced (In Situ) formation of an Azo-bridged dimeric sulfonated naphthol as a potent PTP1B inhibitor. BMC Biochemistry, 2017, 18, 10.	4.4	7
124	When Substituents Do Not Matter: Frontier Orbitals Explain the Unusually High and Invariant Oxidation Potential in Alkoxy-, Alkyl-, and H-Substituted Iptycenes. Journal of Physical Chemistry Letters, 2017, 8, 4226-4230.	2.1	7
125	Molecular Actuators in Action: Electron-Transfer-Induced Conformation Transformation in Cofacially Arrayed Polyfluorenes. Journal of Physical Chemistry Letters, 2018, 9, 4233-4238.	2.1	7
126	Spreading Electron Density Thin: Increasing the Chromophore Size in Polyaromatic Wires Decreases Interchromophoric Electronic Coupling. Journal of Physical Chemistry C, 2018, 122, 17668-17675.	1.5	7

#	Article	IF	Citations
127	Electronâ€Transferâ€Induced Selfâ€Assembly of a Molecular Tweezer Platform. Chemistry - A European Journal, 2020, 26, 14085-14089.	1.7	7
128	Through-Space or Through-Bond? The Important Role of Cofaciality in Orbital Reordering and Its Implications for Hole (De)stabilization in Polychromophoric Assemblies. Journal of Physical Chemistry C, 2017, 121, 15639-15643.	1.5	6
129	Probing Charge Delocalization in Solid State Polychromophoric Cation Radicals Using X-ray Crystallography and DFT Calculations. Journal of Physical Chemistry C, 2018, 122, 9339-9345.	1.5	6
130	An Electronâ€Rich Calix[4]areneâ€Based Receptor with Unprecedented Binding Affinity for Nitric Oxide. Chemistry - A European Journal, 2018, 24, 17439-17443.	1.7	6
131	Discovery and characterization of halogenated xanthene inhibitors of DUSP5 as potential photodynamic therapeutics. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 375, 114-131.	2.0	6
132	Grafting density effects, optoelectrical properties and nano-patterning of poly(para-phenylene) brushes. Journal of Materials Chemistry A, 2013, 1, 13426.	5.2	5
133	Critical Role of the Secondary Binding Pocket in Modulating the Enzymatic Activity of DUSP5 toward Phosphorylated ERKs. Biochemistry, 2016, 55, 6187-6195.	1.2	5
134	Toroidal delocalization of a single electron through circularly-arrayed benzophenone chromophores in hexakis(4-benzoylphenyl)benzene. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 331, 153-159.	2.0	5
135	FHBC, a Hexaâ€peri â€hexabenzocoroneneâ€“Fluorene Hybrid: A Platform for Highly Soluble, Easily Functionalizable HBCs with an Expanded Graphitic Core. Angewandte Chemie, 2018, 130, 798-802.	1.6	5
136	Towards the rational design of novel charge-transfer materials: biaryls with a dihedral angle-independent hole delocalization mechanism. Chemical Communications, 2018, 54, 5851-5854.	2.2	5
137	Ï€-Extended dibenzo[g,p]chrysenes. Organic Chemistry Frontiers, 2021, 8, 2393-2401.	2.3	5
138	Experimental and theoretical study on the cooperative interaction of the ethanolammonium cation with a hexaarylbenzene-based receptor. Chemical Physics, 2012, 406, 86-90.	0.9	4
139	The Role of Torsional Dynamics on Hole and Exciton Stabilization in Ï€â€Stacked Assemblies: Design of Rigid Torsionomers of a Cofacial Bifluorene. Angewandte Chemie, 2018, 130, 8321-8325.	1.6	4
140	Angular ladder-type meta-phenylenes: synthesis and electronic structural analysis. Organic Chemistry Frontiers, 2020, 7, 3215-3222.	2.3	4
141	Selective Intercalation of Cs+in the â€œVâ€Shaped Cavity of a Bichromophoric Anion Radical:Â Cs+Assisted Ï€â^'sâ^'Ï€-Delocalization of an Electron. Journal of Physical Chemistry A, 2006, 110, 9602-9606.	1.1	3
142	Comment on â€œSynthesis, Characterization, and Structures of Persistent Aniline Radical Cationâ€: It Is a Protonated Aniline and Not an Aniline Radical Cation. Angewandte Chemie, 2014, 126, 954-958.	1.6	3
143	Combined Theoretical and Experimental Study of the Complexation of a Hexaarylbenzene-Based Receptor with the Potassium Cation. Journal of Solution Chemistry, 2012, 41, 1812-1824.	0.6	2
144	Controlling the Structure of Reactive Intermediates via Incipient Covalent Bonding with the Counterions: Coexistence of Two Distinct Forms of the C6F6Cation Radical in a Single Crystal. Journal of Physical Chemistry C, 2013, 117, 23568-23574.	1.5	2

#	Article	IF	Citations
145	Highly robust cation radical salts: Aromatic oxidants from cycloannulated aromatic donors. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 382, 111882.	2.0	2
146	Redox-Induced Molecular Actuators: The Case of Oxy-Alternate Bridged Cyclotetraveratrylene. Organic Letters, 2019, 21, 7987-7991.	2.4	2
147	Charge-transfer or excimeric state? Exploring the nature of the excited state in cofacially arrayed polyfluorene derivatives. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 374, 125-130.	2.0	2
148	Calix[4]areneâ€Based Bis(Nitric Oxide) Complexes: Synthesis, Physical Properties, and Structural Characterization. Chemistry - an Asian Journal, 2019, 14, 542-546.	1.7	2
149	Experimental and theoretical study of the complexation of the thallium cation with a hexaarylbenzene-based receptor. Monatshefte FÃ¼r Chemie, 2011, 142, 447-451.	0.9	1
150	From Intramolecular (Circular) in an Isolated Molecule to Intermolecular Hole Delocalization in a Twoâ€Dimensional Solidâ€State Assembly: The Case of Pillarene. Angewandte Chemie, 2018, 130, 2166-2171.	1.6	1
151	Pyrene-Like HOMO Governs Polaron Delocalization in Model Graphitic Strips: A Combined Experimental and Computational Analysis. Journal of Physical Chemistry C, 2018, 122, 24527-24534.	1.5	1
152	Non- planar dodecaalkoxy-hexa-peri-hexabenzocoronene with six reversible oxidation States. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 382, 111881.	2.0	1
153	Role of Conserved Histidine and Serine in the HCXXXXXRS Motif of Human Dual-Specificity Phosphatase 5. Journal of Chemical Information and Modeling, 2019, 59, 1563-1574.	2.5	1
154	Theoretical study on the complexation of the sodium cation with a hexaarylbenzene-based receptor. Monatshefte FÃ¼r Chemie, 2010, 141, 1309-1311.	0.9	0
155	Cooperative interaction of protonated 1,4-diazabicyclo[2.2.2]octane with a hexaarylbenzene-based receptor: an experimental and theoretical study. Monatshefte FÃ¼r Chemie, 2012, 143, 563-568.	0.9	0
156	From Wires to Cables: Attempted Synthesis of 1,3,5-Trifluorenylcyclohexane as a Platform for Molecular Cables. Journal of Organic Chemistry, 2016, 81, 1627-1634.	1.7	0
157	Accessing highly electron-rich calix[n]arene (nâ€¯=â€¯4 and 8) derivatives from acid-catalyzed condensation of 1,3,5-tripropoxybenzene. Tetrahedron Letters, 2019, 60, 151215.	0.7	0
158	Identification of Polysulfonated Inhibitors that Target Dual Specificity Phosphatase 5 and Provide New Insights into the Binding Requirements for Dualâ€Phosphate Substrate Pockets. FASEB Journal, 2015, 29, 1022.6.	0.2	0
159	ELECTRONIC COMMUNICATION IN COVALENTLY vs. NON-COVALENTLY BONDED POLYFLUORENE SYSTEMS: THE ROLE OF THE COVALENT LINKER.. , 2015, , .		0