Supporting Information

for the paper

Designing stable π-radicals

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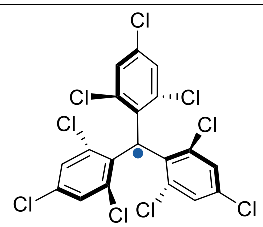
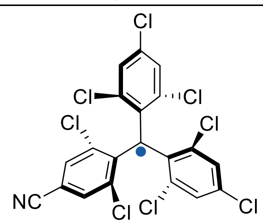
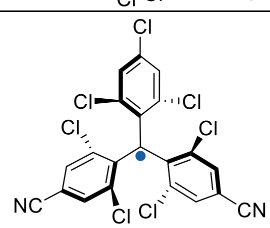
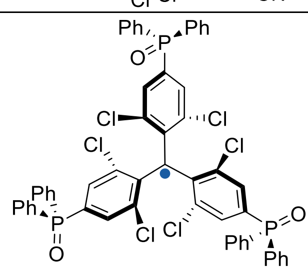
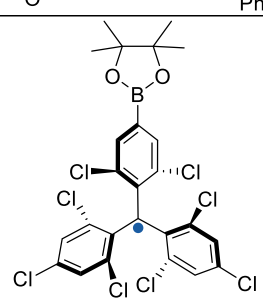
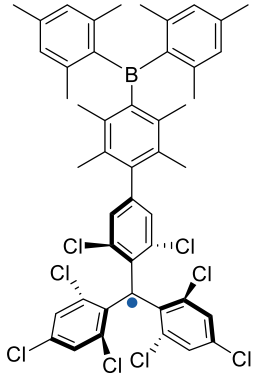
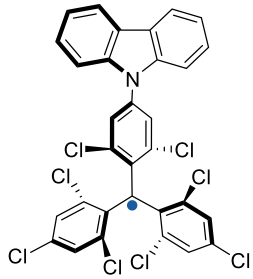
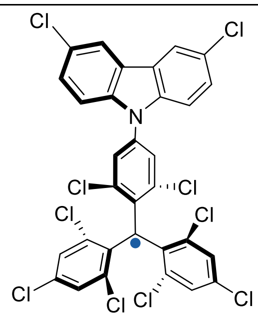
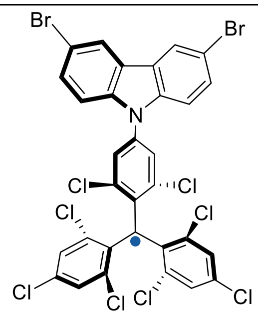
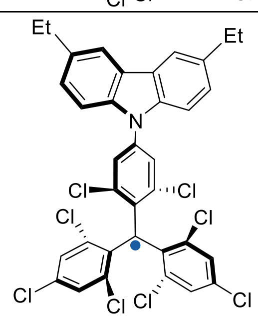
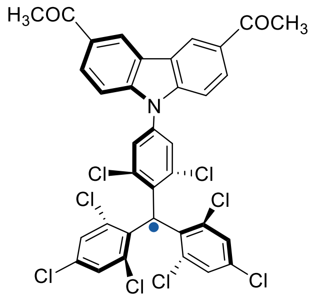
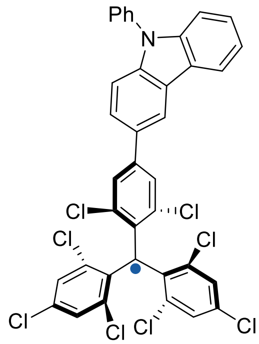
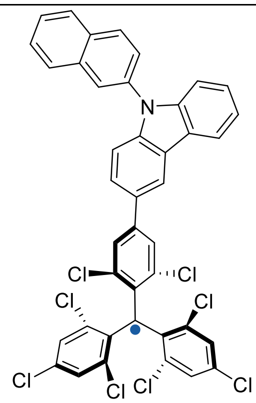
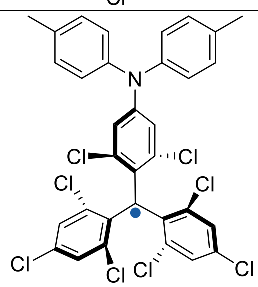
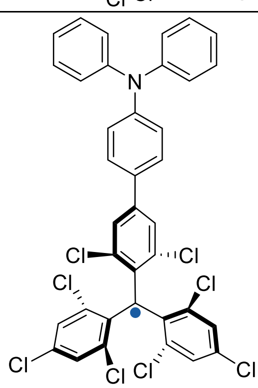
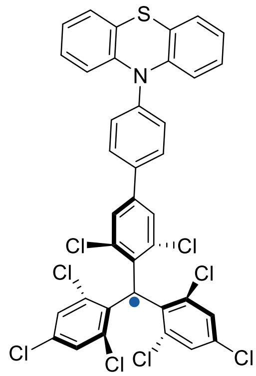
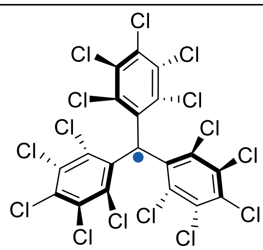
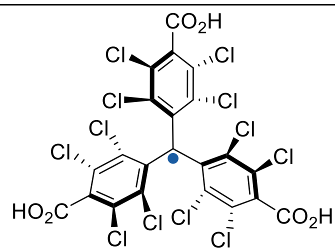
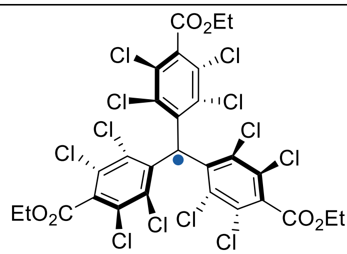
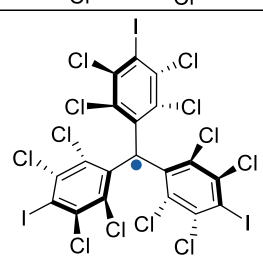
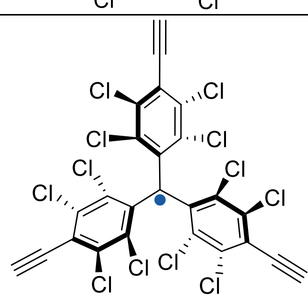
[†] *These authors contributed equally*

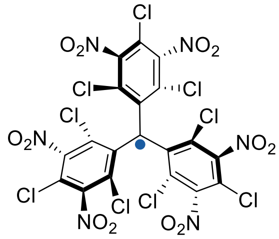
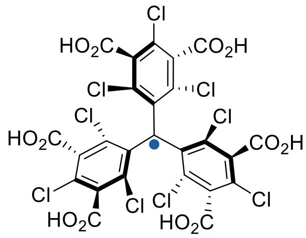
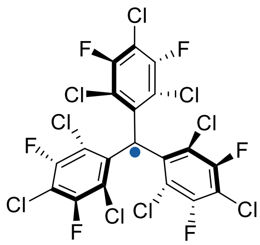
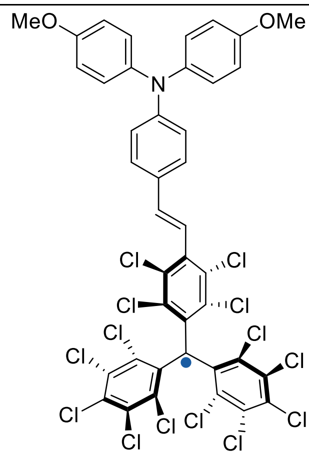
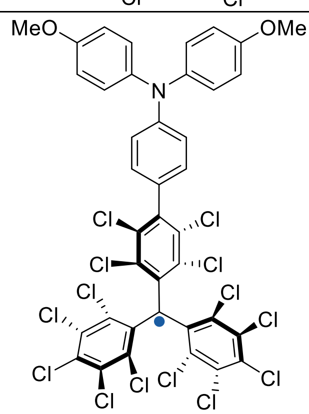
Table 1 : Reported halogenated trityl radicals.

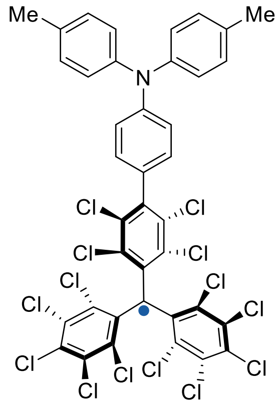
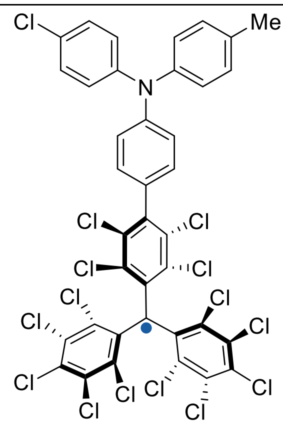
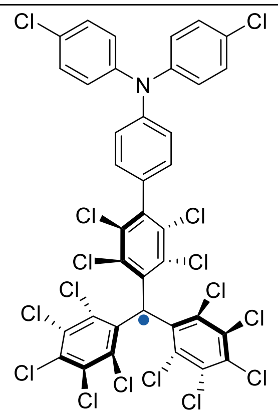
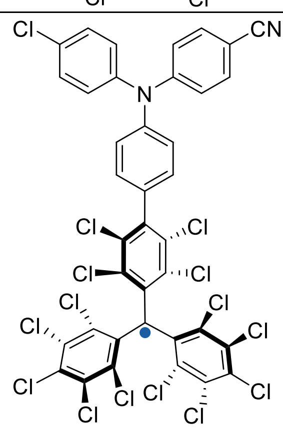
Entry	Structure	Reference
1		M. Ballester, *Acc. Chem. Res.*, 1985, **18**, 380–387.
2		K. Lv, et al., *Chem. Commun.*, 2024, **60**, 4846–4849.
3		K. Lv, et al., *Chem. Commun.*, 2024, **60**, 4846–4849.
4		N. Sun, et al., *Org. Lett.*, 2025, **27**, 905–908.
5		Z. Li, et al., *Angew. Chem. Int. Ed.*, 2023, **62**, e202302835

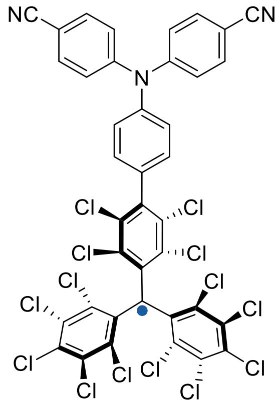
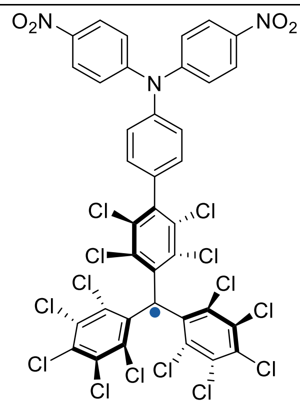
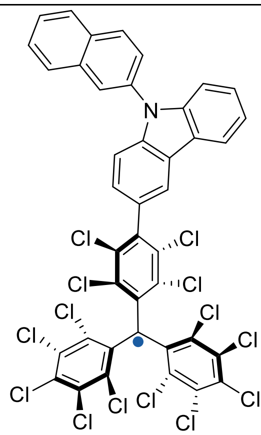
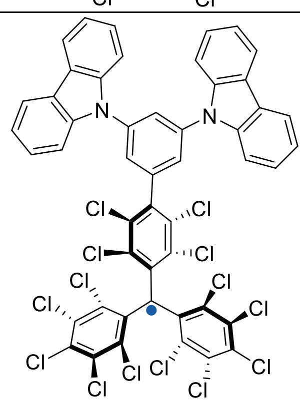
6		Z. Li, et al., *Angew. Chem. Int. Ed.*, 2023, **62**, e202302835
7		V. Gamero, et al., *Tetrahedron Lett.*, 2006, **47**, 2305–2309.
8		D. Velasco, et al., *J. Org. Chem.*, 2007, **72**, 7523–7532.
9		D. Velasco, et al., *J. Org. Chem.*, 2007, **72**, 7523–7532.
10		D. Velasco, et al., *J. Org. Chem.*, 2007, **72**, 7523–7532.

11		D. Velasco, et al., *J. Org. Chem.*, 2007, **72**, 7523–7532.
12		X. Ai, et al., *Nature*, 2018, **563**, 536–540.
13		X. Ai, et al., *Nature*, 2018, **563**, 536–540. H. Guo, et al., *Nat. Mater.*, 2019, **18**, 977–984.
14		Z. Tong, et al., *J. Am. Chem. Soc.*, 2025, **147**, 39232–39246.
15		H.-H. Cho, et al., *Nat. Photon.*, 2024, **18**, 905–912.

16		H. Guo, et al., *Nat. Mater.*, 2019, **18**, 977–984.
17		O. Armet, et al., *J. Phys. Chem.*, 1987, **91**, 5608–5616.
18		D. Maspoch et al., *Nature* Mater, 2003, **2**, 190–195.
19		V. Dang, et al., *Bioorg. Med. Chem. Lett.*, 2007, **17**, 4062–4065.
20		C.-H. Liu et al., *Cell Rep. Phys. Sci.*, 2022, **3**, 100858.
21		S. Wu, et al., *Angew. Chem. Int. Ed.*, 2018, **57**, 8007–8011.

22		J. L. Torres, et al., *Chem. Commun.*, 2003, 74–75.
23		N. Roques, et al., *Chem. Eur. J.*, 2006, **12**, 9238–9253
24		J. Schlögl, et al., *J. Am. Chem. Soc.*, 2025, **147**, 43105–43112.
25		A. Heckmann, et al., *J. Phys. Chem. C*, 2009, **113**, 20958–20966.
26		A. Heckmann, et al., *J. Phys. Chem. C*, 2009, **113**, 20958–20966.

27		A. Heckmann, et al., *J. Phys. Chem. C*, 2009, **113**, 20958–20966.
28		A. Heckmann, et al., *J. Phys. Chem. C*, 2009, **113**, 20958–20966.
29		A. Heckmann, et al., *J. Phys. Chem. C*, 2009, **113**, 20958–20966.
30		A. Heckmann, et al., *J. Phys. Chem. C*, 2009, **113**, 20958–20966.

31		A. Heckmann, et al., *J. Phys. Chem. C*, 2009, **113**, 20958–20966.
32		A. Heckmann, et al., *J. Phys. Chem. C*, 2009, **113**, 20958–20966.
33		H. Guo, et al., *Nat. Mater.*, 2019, **18**, 977–984.
34		H. Guo, et al., *Nat. Mater.*, 2019, **18**, 977–984.

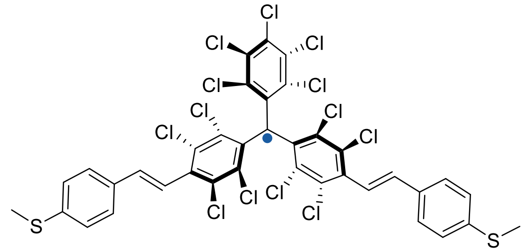
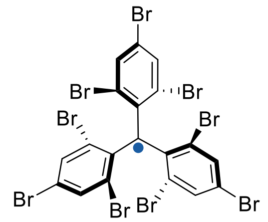
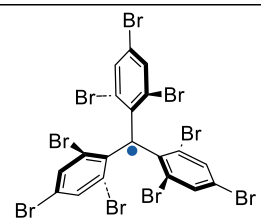
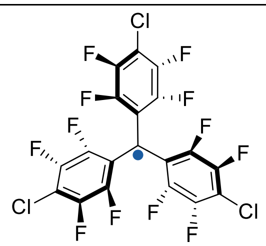
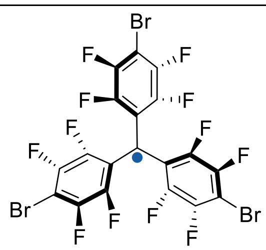
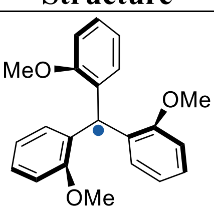
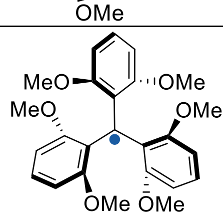
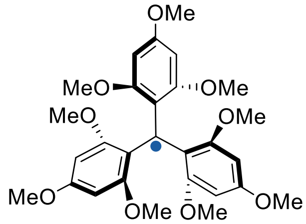
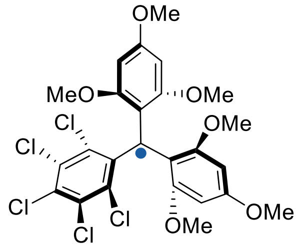
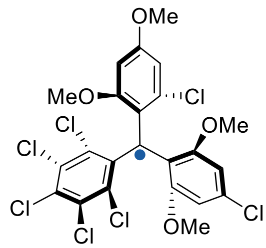
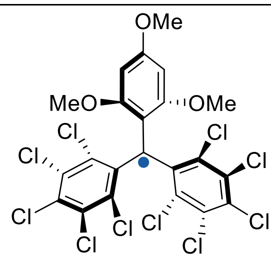
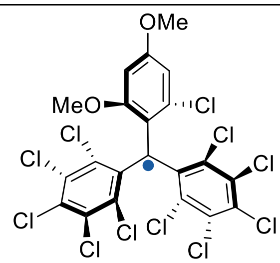
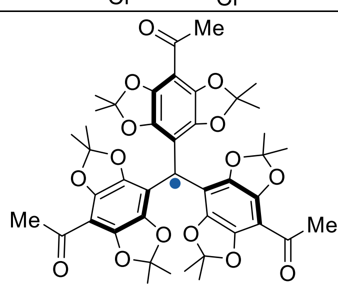
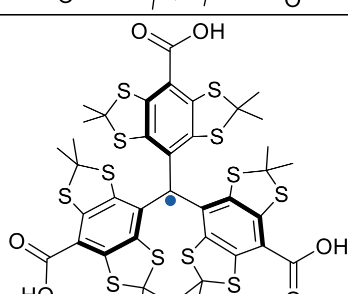
35		G. Mitra, et al., *Nano Lett.*, 2022, **22**, 5773–5779.
36		P. Mayorga-Burrezo et al., *Chem. Eur. J.*, 2020, **26**, 3776–3781.
37		P. Mayorga-Burrezo et al., *Chem. Eur. J.*, 2020, **26**, 3776–3781.
38		J. Schlögl, et al., *J. Am. Chem. Soc.*, 2025, **147**, 43105–43112.
39		J. Schlögl, et al., *J. Am. Chem. Soc.*, 2025, **147**, 43105–43112.

Table 2 : Reported alkoxylated and sulfonylated trityl radicals.

Entry	Structure	Reference
40		H. Lund, *J. Am. Chem. Soc.*, 1927, **49**, 1346–1360.
41		M. Sabacky, et al., *J. Am. Chem. Soc.*, 1967, **89**, 2054–2058.

42		H. E. Hackney, et al., *Angew. Chem. Int. Ed.*, 2025, **64**, e202512411.
43		H. E. Hackney, et al., *Angew. Chem. Int. Ed.*, 2025, **64**, e202512411.
44		H. E. Hackney, et al., *Angew. Chem. Int. Ed.*, 2025, **64**, e202512411.
45		H. E. Hackney, et al., *Angew. Chem. Int. Ed.*, 2025, **64**, e202512411.
46		H. E. Hackney, et al., *Angew. Chem. Int. Ed.*, 2025, **64**, e202512411.
47		T. J. Reddy, et al., *J. Org. Chem.*, 2002, **67**, 4635–4639.
48		A. A. Bobko, et al., *J. Am. Chem. Soc.*, 2007, **129**, 7240–7241.

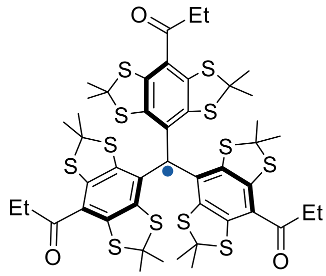
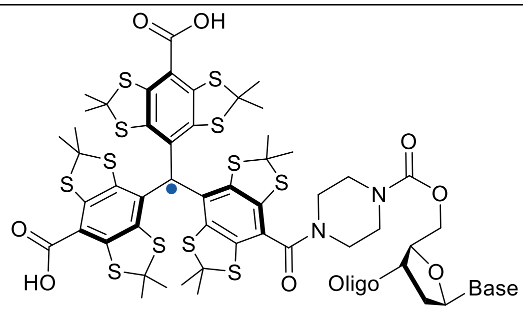
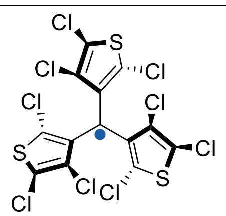
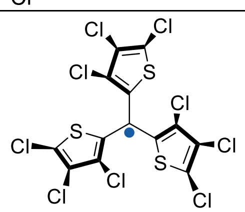
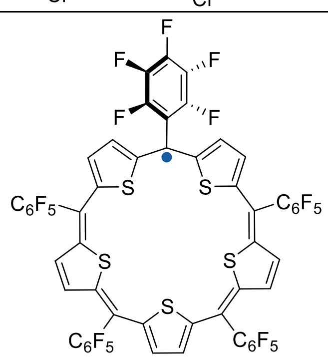
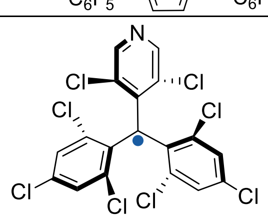
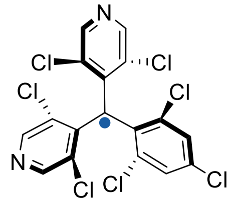
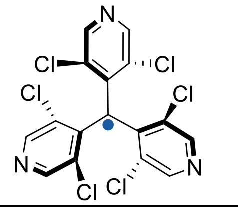
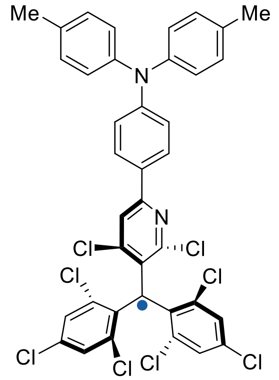
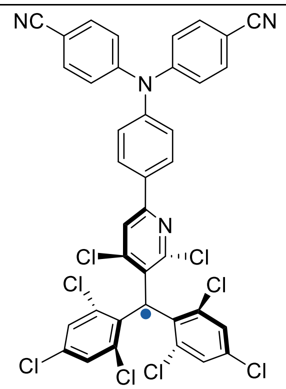
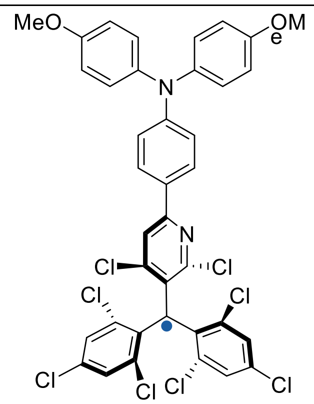
49		T. J. Reddy, et al., *J. Org. Chem.*, 2002, **67**, 4635–4639.
50		G. Y. Shevelev, et al., *J. Am. Chem. Soc.*, 2014, **136**, 9874–9877.

Table 3 : Reported tri(hetero)arylmethyl radicals.

Entry	Structure: Heteroatom	Reference
51		S. Gronowitz, et al., *J. Heterocycl. Chem.*, 1995, **32**, 65–67.
52		S. Gronowitz, et al., *J. Heterocycl. Chem.*, 1995, **32**, 65–67.
53		T. Y. Gopalakrishna, et al., *Angew. Chem. Int. Ed.*, 2014, **53**, 10984–10987.
54		S. Kimura, et al., *Angew. Chem. Int. Ed.*, 2018, **130**, 12893–12897.

55		S. Kimura, et al., *J. Am. Chem. Soc.*, 2021, **143**, 5610–5615.
56		S. Kimura, et al., *J. Am. Chem. Soc.*, 2021, **143**, 4329–4338.
57		Y. Hattori, et al., *Chem. Eur. J.*, 2019, **25**, 15463–15471.
58		Y. Hattori, et al., *Chem. Eur. J.*, 2019, **25**, 15463–15471.
59		Y. Hattori, et al., *Chem. Eur. J.*, 2019, **25**, 15463–15471.

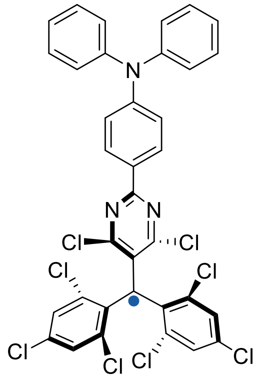
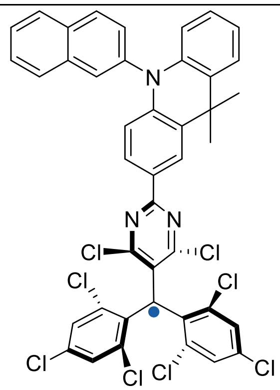
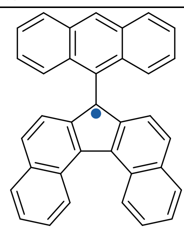
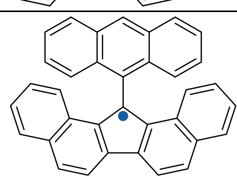
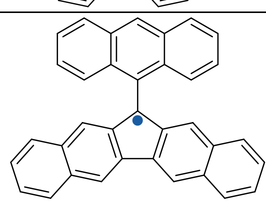
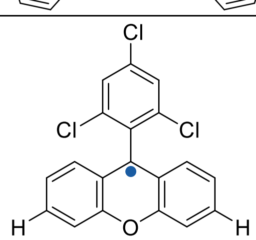
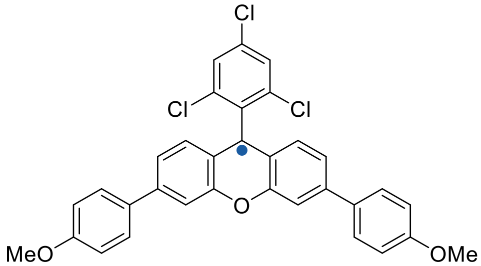
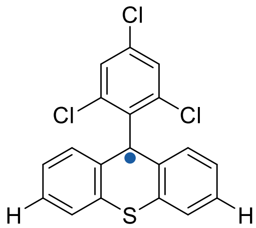
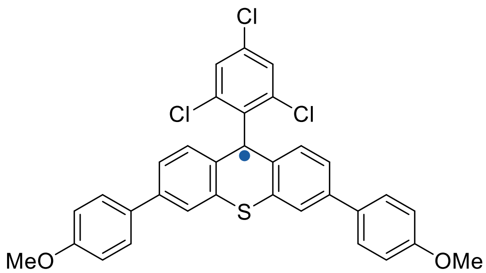
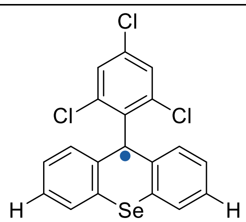
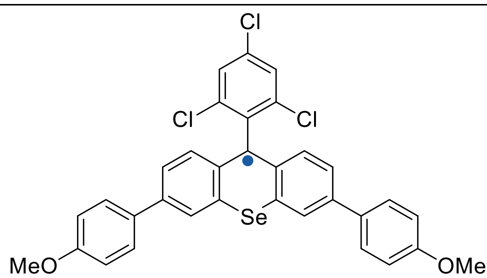
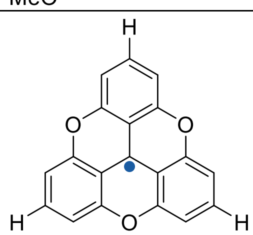
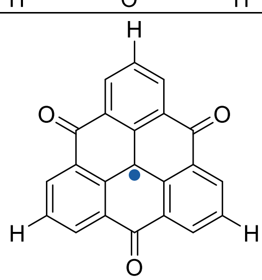
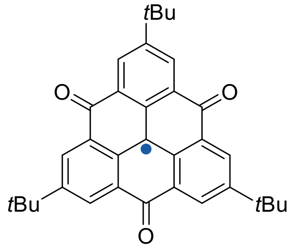
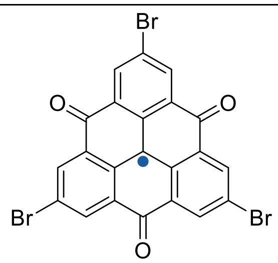
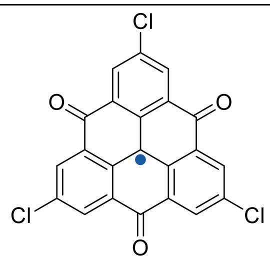
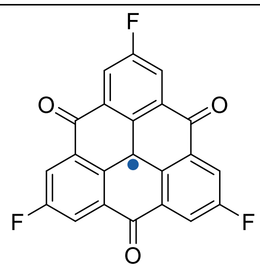
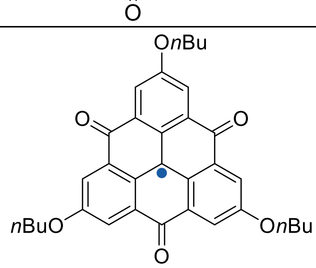
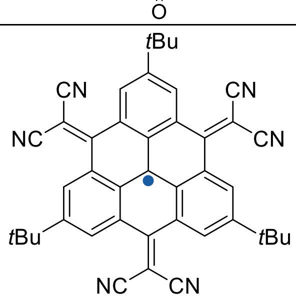
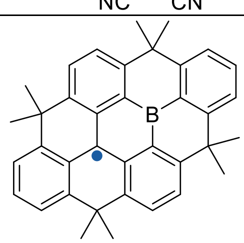
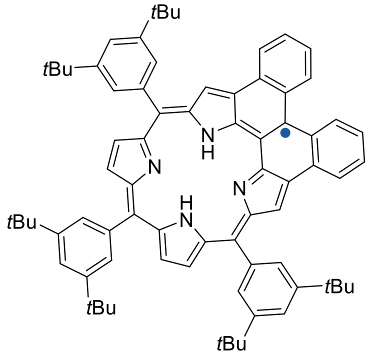
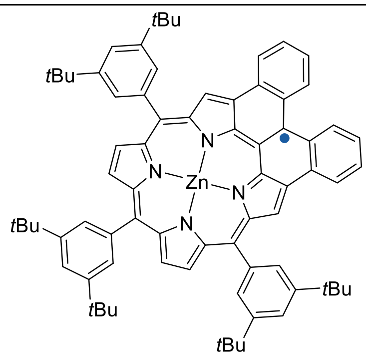
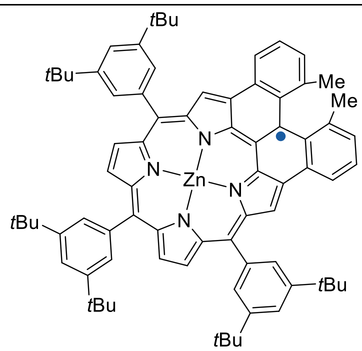
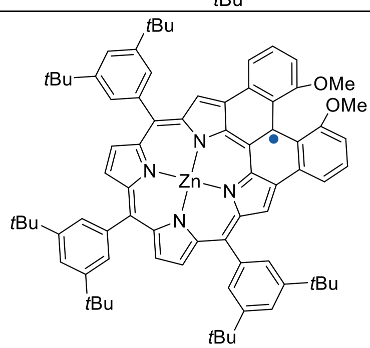
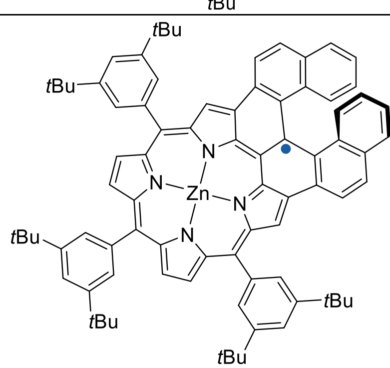
60		M. Zhang, et al., *J. Am. Chem. Soc.*, 2025, **147**, 45423–45431.
61		M. Zhang, et al., *J. Am. Chem. Soc.*, 2025, **147**, 45423–45431.

Table 4 : Reported fused triarylmethyl radicals.

Entry	**Structure**	**Reference**
62		Y. Tian, et al., *J. Am. Chem. Soc.*, 2014, **136**, 12784–12793.
63		Y. Tian, et al., *J. Am. Chem. Soc.*, 2014, **136**, 12784–12793.
64		Y. Tian, et al., *J. Am. Chem. Soc.*, 2014, **136**, 12784–12793.
65		W. Jiang, et al., *Angew. Chem. Int. Ed.*, 2025, **64**, e202418762.

66		W. Jiang, et al., *Angew. Chem. Int. Ed.*, 2025, **64**, e202418762.
67		W. Jiang, et al., *Angew. Chem. Int. Ed.*, 2025, **64**, e202418762.
68		W. Jiang, et al., *Angew. Chem. Int. Ed.*, 2025, **64**, e202418762.
69		W. Jiang, et al., *Angew. Chem. Int. Ed.*, 2025, **64**, e202418762.
70		W. Jiang, et al., *Angew. Chem. Int. Ed.*, 2025, **64**, e202418762.
71		E. Müller, et al., *Tetrahedron Lett.*, 1967, **8**, 3877–3880.
72		Y. Morita, et al., *Bull. Chem. Soc. Jpn.*, 2018, **91**, 922–931.

73		Y. Morita, et al., *Bull. Chem. Soc. Jpn.*, 2018, **91**, 922–931. Y. Morita, et al., *Nat. Mater.*, 2011, **10**, 947–951.
74		Y. Morita, et al., *Bull. Chem. Soc. Jpn.*, 2018, **91**, 922–931. Y. Morita, et al., *Nat. Mater.*, 2011, **10**, 947–951.
75		Y. Morita, et al., *Bull. Chem. Soc. Jpn.*, 2018, **91**, 922–931.
76		Y. Morita, et al., *Bull. Chem. Soc. Jpn.*, 2018, **91**, 922–931.
77		Y. Morita, et al., *Bull. Chem. Soc. Jpn.*, 2018, **91**, 922–931.
78		A. Ueda, et al., *Chem. Eur. J.*, 2012, **18**, 16272–16276.
79		T. Kushida, et al., *J. Am. Chem. Soc.*, 2017, **139**, 14336–14339.

80		K. Kato, et al., *Angew. Chem. Int. Ed.*, 2016, **55**, 8711–8714.
81		K. Kato, et al., *Angew. Chem. Int. Ed.*, 2016, **55**, 8711–8714.
82		K. Kato, et al., *Chem. Eur. J.*, 2018, **24**, 572–575.
83		K. Kato, et al., *Chem. Eur. J.*, 2018, **24**, 572–575.
84		K. Kato, et al., *Chem. Eur. J.*, 2018, **24**, 572–575.

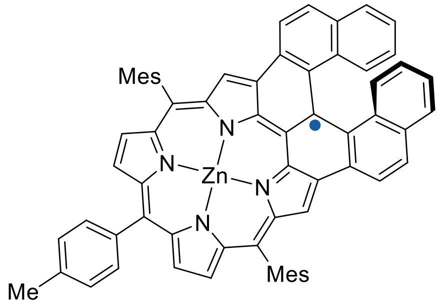
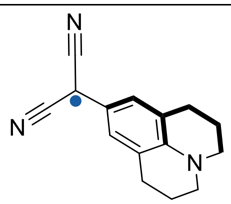
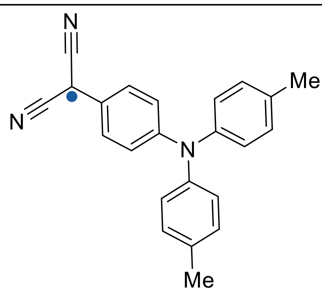
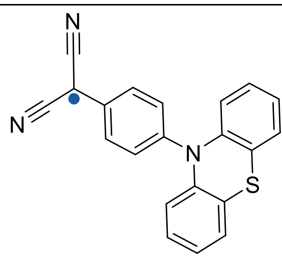
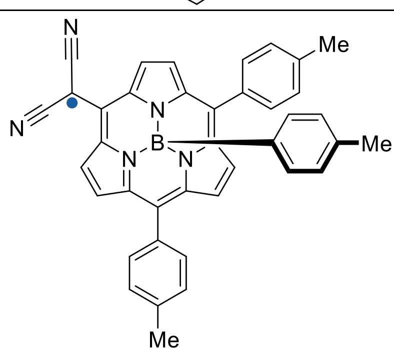
85		K. Kato, et al., *Chem. Eur. J.*, 2018, **24**, 572–575.

Table 5 : Reported dicyanoarylmethyl radicals.

Entry	Structure	Reference
86		K. Okino, et al., *Angew. Chem. Int. Ed.*, 2017, **56**, 16597–16601.
87		K. Okino, et al., *Angew. Chem. Int. Ed.*, 2017, **56**, 16597–16601.
88		K. Okino, et al., *Angew. Chem. Int. Ed.*, 2017, **56**, 16597–16601.
89		B. Adinarayana, et al., *Chem. Eur. J.*, 2019, **25**, 1706–1710.

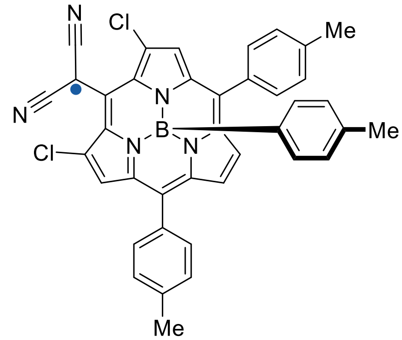
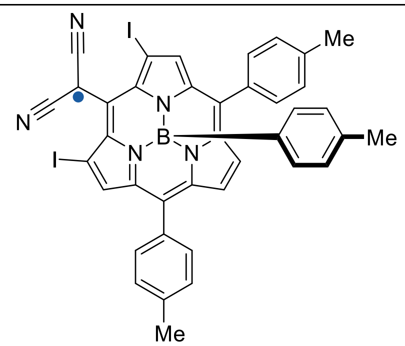
90		B. Adinarayana, et al., *Chem. Eur. J.*, 2019, **25**, 1706–1710.
91		B. Adinarayana, et al., *Chem. Eur. J.*, 2019, **25**, 1706–1710.

Table 6 : Previously published reviews related to stable/persistent radicals.

Authors	**Title**	**Citation**
S. Hünig	Stable radical ions	*Pure Appl. Chem.*, 1967, **15**, 109–122.
E. R. Altwicker	The Chemistry of Stable Phenoxy Radicals	*Chem. Rev.*, 1967, **67**, 475–531.
L. Salem and C. Rowland	The Electronic Properties of Diradicals	*Angew. Chem. Int. Ed.*, 1972, **11**, 92–111.
F. A. Neugebauer,	Hydrazidinyl Radicals: 1 2,4,5-Tetraazapentenyls, Verdazyls, and Tetrazolinyls	*Angew. Chem. Int. Ed.*, 1973, **12**, 455–464.
W. C. Danen and F. A. Neugebauer	Aminyl Free Radicals	*Angew. Chem. Int. Ed.*,1975, **14**, 783–789.
W. T. Borden and E. R. Davidson	Effects of electron repulsion in conjugated hydrocarbon diradicals	*J. Am. Chem. Soc.*, 1977, **99**, 4587–4594.
A. A. Ovchinnikov	Multiplicity of the ground state of large alternant organic molecules with conjugated bonds	*Theoret. Chim. Acta*, 1978, **47**, 297–304.
J. F. W. Keana	Newer aspects of the synthesis and chemistry of nitroxide spin labels	*Chem. Rev.*, 1978, **78**, 37–64.
V. Bonačić-Koutecký, J. Koutecký and J. Michl	Neutral and Charged Biradicals, Zwitterions, Funnels in S1, and Proton Translocation: Their Role in Photochemistry, Photophysics, and Vision	*Angew. Chem. Int. Ed.*, 1987, **26**, 170–189.
D. A. Dougherty	Spin control in organic molecules	*Acc. Chem. Res.*, 1991, **24**, 88–94.
A. Rajca	Organic Diradicals and Polyradicals: From Spin Coupling to Magnetism?	*Chem. Rev.*, 1994, **94**, 871–893.
E. Coronado and P. Day	Magnetic Molecular Conductors	*Chem. Rev.*, 2004, **104**, 5419–5448.
D. Jérome	Organic Conductors: From Charge Density Wave TTF−TCNQ to Superconducting (TMTSF)2PF6	*Chem. Rev.*, 2004, **104**, 5565–5592.
B. D. Koivisto and R. G. Hicks	The magnetochemistry of verdazyl radical-based materials	*Coord. Chem. Rev.*, 2005, **249**, 2612–2630
N. M. Shishlov	From the Gomberg radical to organic magnets	*Russ. Chem. Rev.*, 2006, **75**, 863–884.
J. M. Rawson, A. Alberola and A. Whalley	Thiazyl radicals: old materials for new molecular devices	*J. Mater. Chem.*, 2006, **16**, 2560–2575
R. G. Hicks	What’s new in stable radical chemistry?	*Org. Biomol. Chem.*, 2007, **5**, 1321.

L. Tebben and A. Studer	Nitroxides: Applications in Synthesis and in Polymer Chemistry	*Angew. Chem. Int. Ed.*, 2011, **50**, 5034–5068.
K. Nakahara, K. Oyaizu and H. Nishide	Organic Radical Battery Approaching Practical Use	*Chem. Lett.*, 2011, **40**, 222–227.
E. D. Commins	Electron Spin and Its History	*Annu. Rev. Nucl. Part. Sci.*, 2012, **62**, 133–157.
A. Heckmann and C. Lambert	Organic Mixed-Valence Compounds: A Playground for Electrons and Holes	*Angew. Chem. Int. Ed.*, 2012, **51**, 326–392.
T. Janoschka, M. D. Hager and U. S. Schubert	Powering up the Future: Radical Polymers for Battery Applications	*Adv. Mater.*, 2012, **24**, 6397–6409.
M. Abe	Diradicals	*Chem. Rev.*, 2013, **113**, 7011–7088
K. E. Preuss	Metal-radical coordination complexes of thiazyl and selenazyl ligands	*Coord. Chem. Rev.*, 2015, **289–290**, 49–61
Z. Zeng, X. Shi, C. Chi, J. T. L. Navarrete, J. Casado and J. Wu	Pro-aromatic and anti-aromatic π-conjugated molecules: an irresistible wish to be diradicals	*Chem. Soc. Rev.*, 2015, **44**, 6578–6596.
O. Krumkacheva and E. Bagryanskaya,	Trityl radicals as spin labels	in Electron Paramagnetic Resonance, The Royal Society of Chemistry, 2016, **25**, 35-60.
Y. Li, L. Li, Y. Wu and Y. Li	A Review on the Origin of Synthetic Metal Radical: Singlet Open-Shell Radical Ground State?	*J. Phys. Chem. C.*, 2017, **121**, 8579–8588.
M. Nakano	Electronic Structure of Open-Shell Singlet Molecules: Diradical Character Viewpoint	*Top. Curr. Chem. (Z)*, 2017, **375**, 47.
M. M. Haugland, J. E. Lovett and E. A. Anderson	Advances in the synthesis of nitroxide radicals for use in biomolecule spin labelling	*Chem. Soc. Rev.*, 2018, **47**, 668–680.
J. Casado	Para-quinodimethanes: a unified review of the quinoidal-versus-aromatic competition and its implications,	*Top. Curr. Chem.*, 2018, 209–248.
D. Shimizu and A. Osuka	Porphyrinoids as a platform of stable radicals	*Chem. Sci.*, 2018, **9**, 1408–1423.
M. M. Roessler and E. Salvadori	Principles and applications of EPR spectroscopy in the chemical sciences	*Chem. Soc. Rev.*, 2018, **47**, 2534–2553.
T. Stuyver, B. Chen, T. Zeng, P. Geerlings, F. De Proft and R. Hoffmann	Do Diradicals Behave Like Radicals?	*Chem. Rev.*, 2019, **119**, 11291–11351.
M. Kertesz	Pancake Bonding: An Unusual Pi-Stacking Interaction	*Chem. Eur. J.*, 2019, **25**, 400–416.
G. N. Lipunova, T. G. Fedorchenko, A. N. Tsmokalyuk and O. N. Chupakhin	Advances in verdazyl chemistry	*Russ. Chem. Bull.*, 2020, **69**, 1203–1222
D. Luneau	Coordination Chemistry of Nitronyl Nitroxide Radicals Has Memory	*Eur. J. Inorg. Chem.*, 2020, **2020**, 597–604.
Y. Teki	Excited-State Dynamics of Non-Luminescent and Luminescent π-Radicals	*Chem. Eur. J.*, 2020, **26**, 980–996.
Y. Ji, L. Long and Y. Zheng	Recent advances of stable Blatter radicals: synthesis, properties and applications	*Mater. Chem. Front.*, 2020, **4**, 3433–3443.
D. Yuan, W. Liu and X. Zhu	Design and Applications of Single-Component Radical Conductors	*Chem*, 2021, **7**, 333–357.
M. G. F. Vaz and M. Andruh	Molecule-based magnetic materials constructed from paramagnetic organic ligands and two different metal ions	*Coord. Chem. Rev.*, 2021, **427**, 213611.
Z. X. Chen, Y. Li and F. Huang	Persistent and Stable Organic Radicals: Design, Synthesis, and Applications	*Chem*, 2021, **7**, 288–332.
R. Murata, Z. Wang and M. Abe	Singly Occupied Molecular Orbital-Highest Occupied Molecular Orbital (SOMO-HOMO) Conversion	*Aust. J. Chem.*, 2021, **74**, 827–837.

L. Mao, M. Zhou, X. Shi and H.-B. Yang	Triphenylamine (TPA) radical cations and related macrocycles	*Chin. Chem. Lett.*, 2021, **32**, 3331–3341
P. Murto and H. Bronstein	Electro-optical π-radicals: design advances, applications and future perspectives	*J. Mater. Chem. C*, 2022, **10**, 7368–7403.
Y. Tan, S.-N. Hsu, H. Tahir, L. Dou, B. M. Savoie and B. W. Boudouris	Electronic and Spintronic Open-Shell Macromolecules, Quo Vadis?	*J. Am. Chem. Soc.*, 2022, **144**, 626–647.
S. Kasemthaveechok, L. Abella, J. Crassous, J. Autschbach and L. Favereau	Organic radicals with inversion of SOMO and HOMO energies and potential applications in optoelectronics	*Chem. Sci.*, 2022, **13**, 9833–9847.
J. Ahmed and S. K. Mandal	Phenalenyl Radical: Smallest Polycyclic Odd Alternant Hydrocarbon Present in the Graphene Sheet	*Chem. Rev.*, 2022, **122**, 11369–11431.
C. Shu, Z. Yang and A. Rajca	From Stable Radicals to Thermally Robust High-Spin Diradicals and Triradicals	*Chem. Rev.*, 2023, **123**, 11954–12003.
A. Hinz, J. Bresien, F. Breher and A. Schulz	Heteroatom-Based Diradical(oid)s	*Chem. Rev.*, 2023, **123**, 10468–10526.
S. Gao and F. Li	Neutral Stable Nitrogen-Centered Radicals: Structure, Properties, and Recent Functional Application Progress	*Adv. Funct. Mater.*, 2023, **33**, 2304291.
D. Leifert and A. Studer	Organic Synthesis Using Nitroxides	*Chem. Rev.*, 2023, **123**, 10302–10380.
T. Quintes, M. Mayländer and S. Richert	Properties and applications of photoexcited chromophore–radical systems	*Nat. Rev. Chem.*, 2023, **7**, 75–90.
K. Hatakeyama-Sato and K. Oyaizu	Redox: Organic Robust Radicals and Their Polymers for Energy Conversion/Storage Devices	*Chem. Rev.*, 2023, **123**, 11336–11391.
T. Quintes, M. Franz, P. Thielert, A. J. Redman and S. Richert	Determination of exchange coupling constants in the electronic ground and excited states of molecular multi-spin systems	*Chem. Phys. Rev.*, 2024, **5**, 041312.
A. Mizuno, R. Matsuoka, T. Mibu and T. Kusamoto	Luminescent Radicals	*Chem. Rev.*, 2024, **124**, 1034–1121.
X. Zhang, X. Chen, Y. Sun and J. Zhao	Radical enhanced intersystem crossing mechanism, electron spin dynamics of high spin states and their applications in the design of heavy atom-free triplet photosensitizers	*Org. Biomol. Chem.*, 2024, **22**, 5257–5283.
A. Zhou, Z. Sun and L. Sun	Stable organic radical qubits and their applications in quantum information science	*Innovation*, 2024, **5**, 100662
Y. Zhu, Z. Zhu, S. Wang, Z. Kuang, Q. Peng and A. Abdurahman	Anti-Kasha Emission in Organic Radicals: Mechanistic Insights and Experimental Caveats	*ChemPhotoChem*, 2025, **9**, e202500118.
Z. Zhang, J. Zhang, J. Zhi Sun, H. Zhang, X. Zhang and B. Zhong Tang	Luminescent Radical Polymers	*Chem. Eur. J.*, 2025, **31**, e202403493.
G. N. Lipunova, T. G. Fedorchenko, A. V. Shchepochkin and O. N. Chupakhin	New aspects of verdazyl chemistry	*Russ. Chem. Bull.*, 2025, **74**, 328–353.
D. Straub, M. Gross, M. E. Arnold, J. Zolg and A. J. C. Kuehne	On the photoluminescence in triarylmethyl-centered mono-, di-, and multiradicals	*Beilstein J. Org. Chem.*, 2025, **21**, 964–998.
K. Dzieszkowski and M. Pawlicki	Open-Shell States in Dynamic Diradicaloids	*ChemPlusChem*, 2025, **90**, e202500033.
C. A. Ndamyabera and H. W. Langmi	Recent Developments in Organic Radical Inclusion in MOFs and Radical MOFs	*ChemistryOpen*, 2025, **14**, e202500069.
Y. Zhu, Z. Zhu, S. Wang, Q. Peng and A. Abdurahman	Stable Luminescent Diradicals: The Emergence and Potential Applications	*Angew. Chem. Int. Ed.*, 2025, **64**, e202423470.
W. Wu	Stable organic radicals – a material platform for developing molecular quantum technologies	*Phys. Chem. Chem. Phys.*, 2025, **27**, 1214–1221