Unexpected Full-Color Luminescence Produced from the Aggregation of Unconventional Chromophores in Novel Polyborosilazane Dendrimers

Yuang Li, Yingli Zhu, Xiangcheng Li* and Pingan Chen*

Yuang Li, Prof. Zhu, Prof. Li and Prof. Chen
The State Key Laboratory of Refractories and Metallurgy.
Key Laboratory of High Temperature Electromagnetic Materials and Structure of MOE.
Wuhan University of Science and Technology, Wuhan 430081, PR China.
E-mail: yinglizhu@wust.edu.cn.

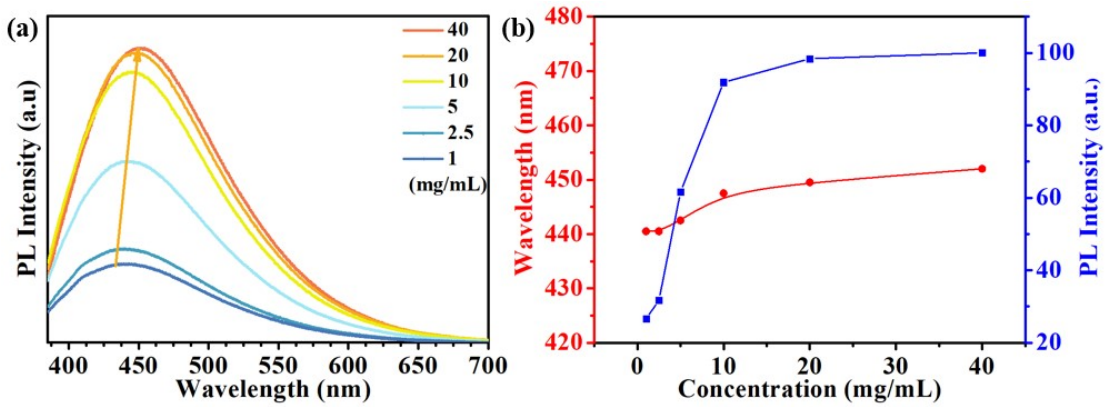

Figure S1. (a) The effect of the concentration on the fluorescence intensity of PY3 in DMF solution (λ_{ex} = 365 nm). (b) The CL intensity versus concentration change curve of PY3.

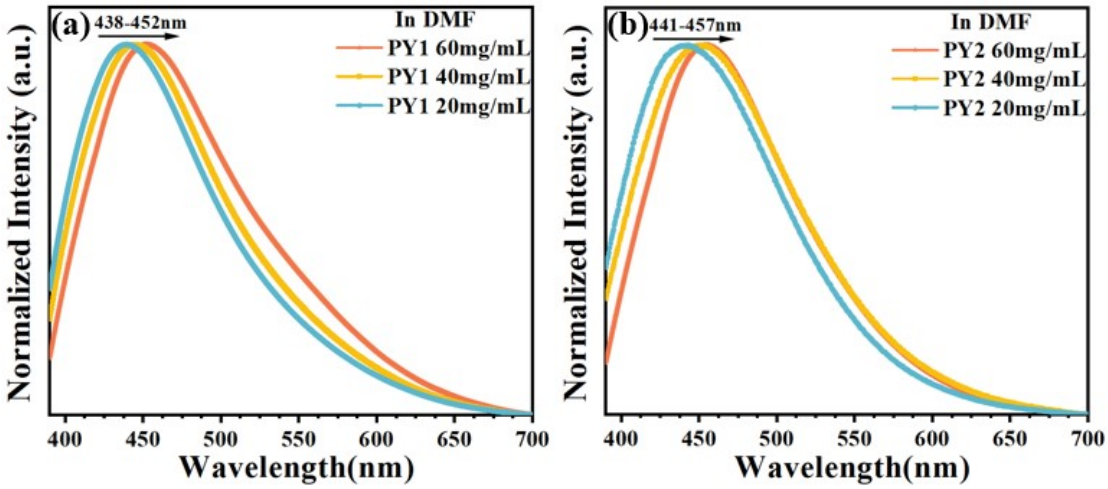

Figure S2. Concentration-dependent PL spectra of PY1 and PY2 in DMF solution

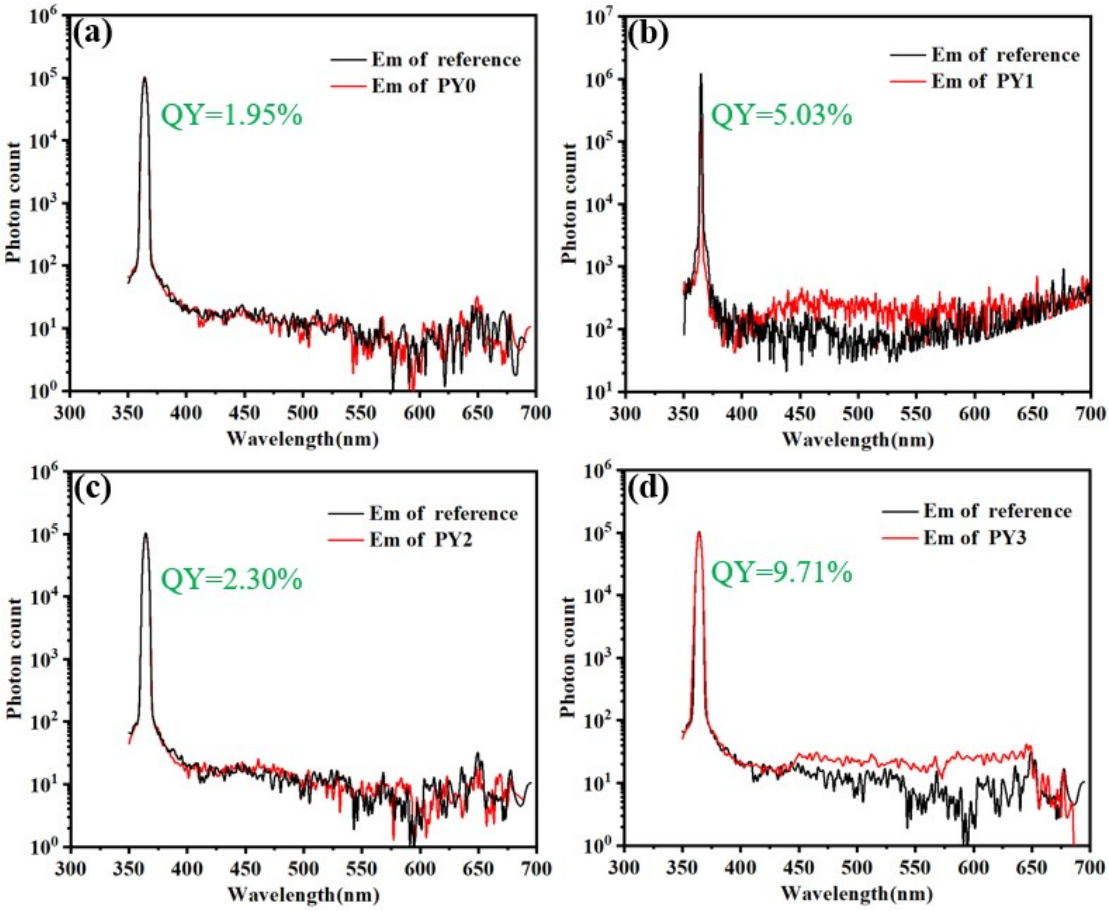

Figure S3. The fluorescence quantum yield for the pure PY0~PY3 excited at 365nm

Table S1 The quantum yield of different non-nontraditional fluorescence polymers

Nontraditional fluorescence polymers	Emission wavelength	QY (%)	Instrument	Ref.
Hyperbranched polyborosiloxanes	640nm	6.87%	Edinburgh FLS-1000	[1]
poly(itaconic anhydride-co-vinyl caprolactam)(PIVC)	630nm	3.09%	Edinburgh FLS-980	[2]
Polyesters of P3	504nm	37.9%	Edinburgh FLS-920	[3]
Polyesters of P4	445nm	0.9%	Edinburgh FLS-920	[3]
Organoalkoxysilanes	570nm	2.04%	Hitachi F-4500	[4]
hyperbranched polyborates of P3	523nm	14.45%	Edinburgh FLS-980	[5]
yttrium-branched polyborosilazane	612nm	9.71%	Edinburgh FLS-980	This work

Reference

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