





























	Contributed by	Supramolecular D-A structure (Reference)	$ au_{cr}^m$	$ au^a_{cr}$	$\frac{\tau^a_{cr}}{\tau^m_{cr}}$
1	Würthner, Meijer and coworkers	<b>Chiral OPV-PDI</b> ( <i>JACS</i> <b>2002</b> , <i>124</i> , 10252)	300 ps	60 ps	0.2
2	Wasielewski and coworkers	Cylindrical Melamine-PDI (Chem. Mater: 2005, 17, 6295)	110 ps	164 ps	1.5
3	Wasielewski and coworkers	Foldameric Melamine-PMI (JPC Lett. 2012, 3, 3798)	<110 fs	261 ps	>2300
4	Wasielewski and coworkers	<b>Guanine-PDI G-Quadruplex</b> ( <i>JACS</i> <b>2013</b> , <i>135</i> , 13322)	13 ps	1.2 ns	~100
5	Braunshweig and coworkers	Helical Diketopyrrolopyrole-PDI ( <i>JACS</i> 2014, <i>136</i> , 7809)	<200 fs	30 ps	>150
<sup>1</sup> - n oul	nonomeric state; <sup>a</sup> - a d not be measured c orption spectrometer	aggregated state; <sup>c</sup> - lifetime of the nap lue to the lack of NIR detector couple	phthalene c d to our na	limer radio anosecond	cal catior transien



































	Contributed by	Supramolecular D-A Structure (Reference)	$\tau_{cr}^{m}$	$\tau_{cr}^{\ a}$	$\frac{\tau_{cr}^{a}}{\tau_{cr}^{m}}$				
1	Würthner, Meijer	Chiral OPV-PDI	300 ps	60 ps	0.2				
	and coworkers	(JACS 2002, 124, 10252)							
2	Wasielewski and	Cylindrical Melamine-PDI	110 ps	164 ps	1.5				
	coworkers	(Chem. Mater. 2005, 17, 6295)							
3	Wasielewski and	Foldameric Melamine-PMI	<110 fs	261 ps	>2300				
	coworkers	(JPC Lett. 2012, 3, 3798)							
4	Wasielewski and	Tetrameric Chlorophyll-PI-NDI	10 ns	30 ns	3				
	coworkers	(JACS 2012, 134, 4363)							
5	Wasielewski and	Guanine-PDI G-Quadruplex	13 ps	1.2 ns	~100				
	coworkers	(JACS 2013, 135, 13322)							
6	Braunshweig and	Helical Diketopyrrolopyrole-PDI	$<\!\!200~{ m fs}$	30 ps	>150				
	coworkers	(JACS 2014, 136, 7809)							
7	Wasielewski and	PDI-Diketopyrrolopyrole-PDI	340 ps <sup>m</sup>	6 ns <sup>b</sup> /	~18 <sup>b</sup> /				
	coworkers	(Chem. Sci., 2015, 6, 402)		4 μs <sup>c</sup>	11765°				
8	Braunshweig and	Diketopyrrolopyrole-PDI	33 ps	32 ns	~1000				
	coworkers	(J. Phys. Chem. C 2015, 119, 19584)							
9	Our data	Non-Parallel Naphthalene-	<110 fs	>1.2 ns <sup>d</sup>	>10000				
		Naphthalimide							
<sup>m</sup> m	monomeric state; aggregated state; bunannealed aggregated state in thin film; CH <sub>2</sub> Cl								
ann	nnealed aggregated state in thin film; difetime of the naphthalene dimer radical cation could								
not	ot be measured due to due to the lack of NIR detector coupled to our nTA spectrometer								

































