

## Supporting Information for

# Structural diversity of uranyl acrylate

Vladislav V. Klepov<sup>a,b\*</sup>, Anna V. Vologzhanina<sup>c</sup>, Evgeny V. Alekseev<sup>b,d</sup>,

Denis V. Pushkin<sup>a</sup>, Larisa B. Serezhkina<sup>a</sup>, Olga A. Sergeeva<sup>a</sup>,

Aleksandr V. Knyazev<sup>e</sup>, and Viktor N. Serezhkin<sup>a</sup>

<sup>a</sup>Samara State University, 443011 Samara, Russia

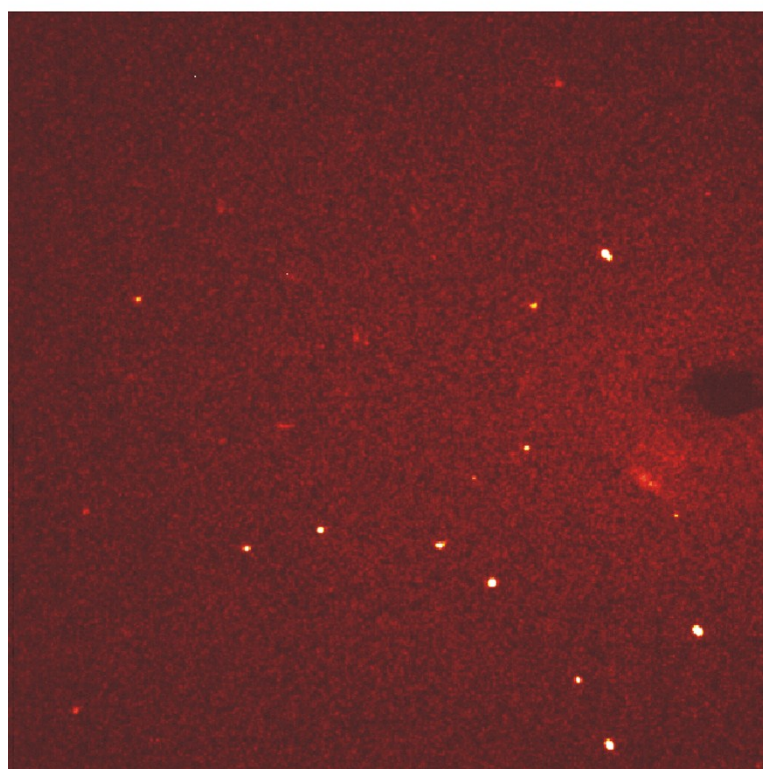
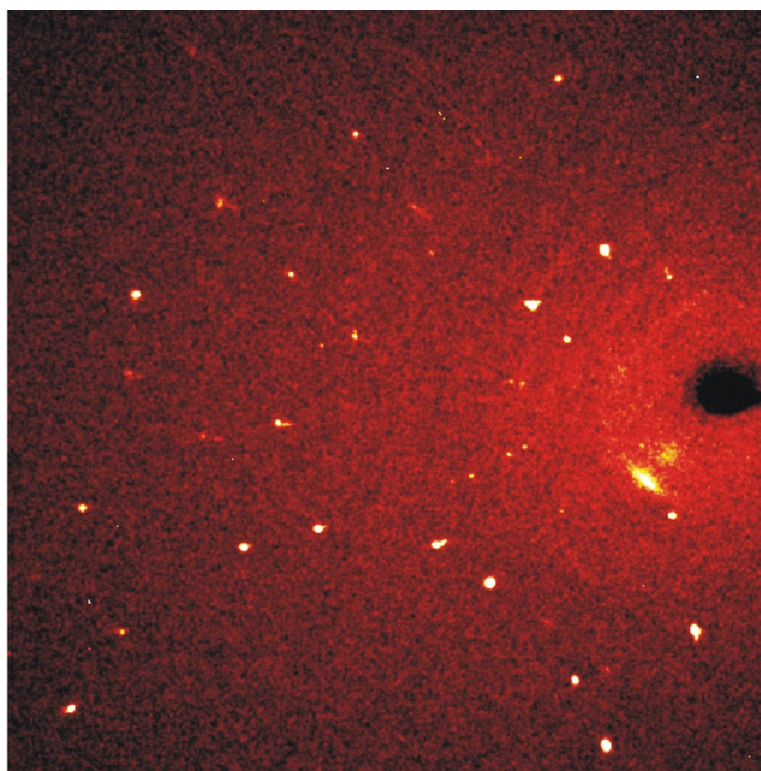
<sup>b</sup>Institute for Energy and Climate Research (IEK-6), Forschungszentrum Jülich GmbH, 52428  
Jülich, Germany

<sup>c</sup>Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, 119991  
Moscow, Russia

<sup>d</sup>Institut für Kristallographie, RWTH Aachen University, 52066 Aachen, Germany

<sup>e</sup>N.I. Lobachevsky State University of Nizhni Novgorod, Gagarin Prospekt 23/2, 603950 Nizhny  
Novgorod, Russia

\*Corresponding author: vladislavklepov@gmail.com



**Figure S1.** Similar frames for **4a** (top) and **4b** (bottom) taken for one single crystal with the same crystal positions and exposition time.

Table S1. Selected bond lengths (Å) and bond angles (°) in **1-3**

Bond Compound	d					Angle		ω		Angle		
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4a</b>	<b>4b</b>			<b>1</b>	<b>4a</b>	<b>1</b>	<b>2</b>	<b>4b</b>
U(1)-O(1)	1.755(7)	1.756(3)	1.750(5)	1.780(11)	1.776(8)	O(2)U(1)O(1)	178.2(2)	178.3(9)	O(1)U(1)O(1)	178.1(4)	180	180.0
U(1)-O(2)	2.300(8)	2.530(4)	1.751(5)	1.746(14)	2.471(7)	O(2)U(1)O(3)	88.8(2)	91.6(6)	O(1)U(1)O(2)	90.9(2)	85.95(15)	89.9(3)
U(1)-O(3)	2.302(8)	2.496(4)	2.498(6)	2.476(15)	2.534(7)	O(3)U(1)O(4)	51.09(17)	51.5(4)	O(2)U(1)O(3)	85.3(3)	51.04(12)	51.7(2)
U(1)-O(4)	2.419(8)	2.445(3)	2.512(5)	2.528(15)	2.445(7)	O(5)U(1)O(4)	64.14(18)	64.2(5)	O(4)U(1)O(3)	161.8(3)	65.49(12)	70.63(17)
U(1)-O(5)	2.419(7) 2.602(8)		2.455(5)	2.449(12)		O(5)U(1)O(6)	66.6(2)	64.3(5)	O(4)U(1)O(2)	76.5(3)	64.34(11)	57.76(17)
U(1)-O(6)			2.494(6)	2.472(13)		O(6)U(1)O(7)	51.42(19)	52.0(4)	O(3)U(1)O(5)	83.8(3)		
U(1)-O(7)			2.499(5)	2.548(14)		O(8)U(1)O(7)	65.02(19)	64.7(5)				
U(1)-O(8)			2.510(5)	2.468(12)		O(8)U(1)O(3)	62.37(18)	64.1(5)				
						O(1)U(1)O(8)	86.8(2)	91.8(5)				