Electronic Supplementary Information for Dalton Transactions
This journal is © The Royal Society of Chemistry 2009

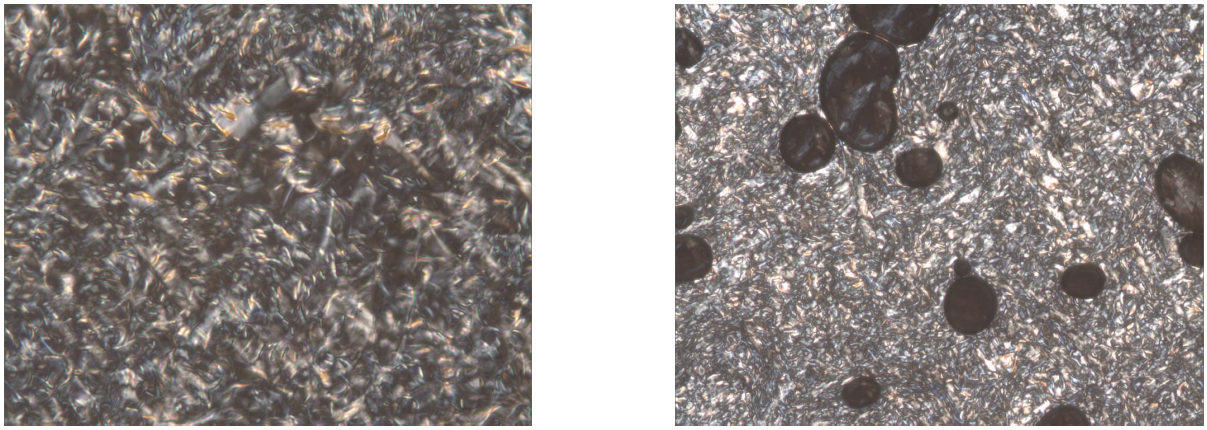
Electronic Supplementary Information for

Anion dependent mesomorphism in coordination networks based on 2,2'-bipyridine silver(I) complexes

Anna Bellusci, Mauro Ghedini, Loris Giorgini, Fabia Gozzo,Elisabeta I. Szerb, Alessandra Crispini and Daniela Pucci

This journal is © The Royal Society of Chemistry 2009

Figure S1. Polarized light optical photomicrograph of the texture exhibited by complex **4** a) at 100 °C on first cooling; b) after mechanical shearing at the same temperature



(a) (b)

Figure S2 Powder X ray diffraction pattern recorded a room temperature of complex **M1.**

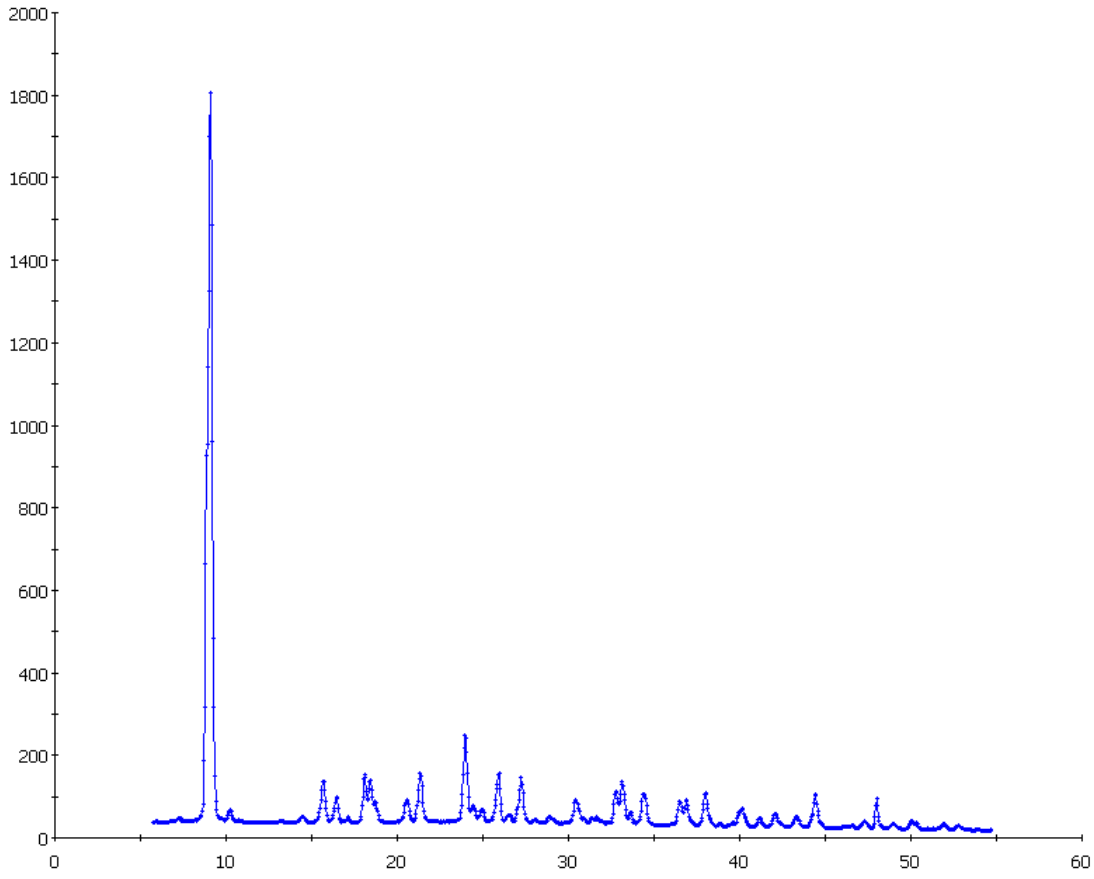


Table S1 Unit cell parameters, lists of indexed reflections and agreement parameters as obtained from the TREOR90 software for complex **M1**

```
a = 11.320785  0.005672 Å   ALFA = 90.000000  0.000000 DEG
b = 11.320785  0.005672 Å   BETA = 90.000000  0.000000 DEG
c = 18.350029  0.040696 Å  GAMMA =120.000000  0.000000 DEG
UNIT CELL VOLUME =   2036.67 Å3
```

H	K	L	SST-OBS	SST-CALC	DELTA	2TH-OBS	2TH-CALC	D-OBS	FREE PARAM.
1	0	0	0.006293	0.006173	0.000120	9.100	9.012	9.7099	100
1	0	1	0.007954	0.007935	0.000019	10.234	10.221	8.6367	3
0	0	3	0.015794	0.015859	-0.000065	14.439	14.469	6.1292	2
1	1	0	0.018595	0.018518	0.000077	15.675	15.642	5.6487	7
			0.020528			16.475		5.3762	5
2	0	0	0.024742	0.024691	0.000051	18.100	18.081	4.8970	8
1	1	2	0.025631	0.025567	0.000064	18.425	18.402	4.8114	7
2	0	2	0.031817	0.031740	0.000077	20.550	20.525	4.3184	5
1	0	4	0.034313	0.034366	-0.000053	21.350	21.367	4.1583	8
1	1	3		0.034377			21.370		
2	1	0	0.043139	0.043210	-0.000071	23.975	23.995	3.7087	13
1	0	5		0.050225			25.901		
2	1	2	0.050316	0.050258	0.000058	25.925	25.910	3.4340	8
3	0	0	0.055491	0.055555	-0.000064	27.250	27.266	3.2699	8

```
NUMBER OF OBS. LINES =   12
NUMBER OF CALC. LINES =   13
M( 12)=  18  AV.EPS.= 0.0000655
F 12 =  19.(0.027067,   24)
 M   CF. J.APPL.CRYST. 1(1968)108
 F  CF. J.APPL.CRYST. 12(1979)60

    1  LINES ARE UNINDEXED
M-TEST=   18 UNINDEXED IN THE TEST=    1
```

This journal is © The Royal Society of Chemistry 2009

Figure S3 Powder X ray diffraction pattern recorded a room temperature of complex **M3.**

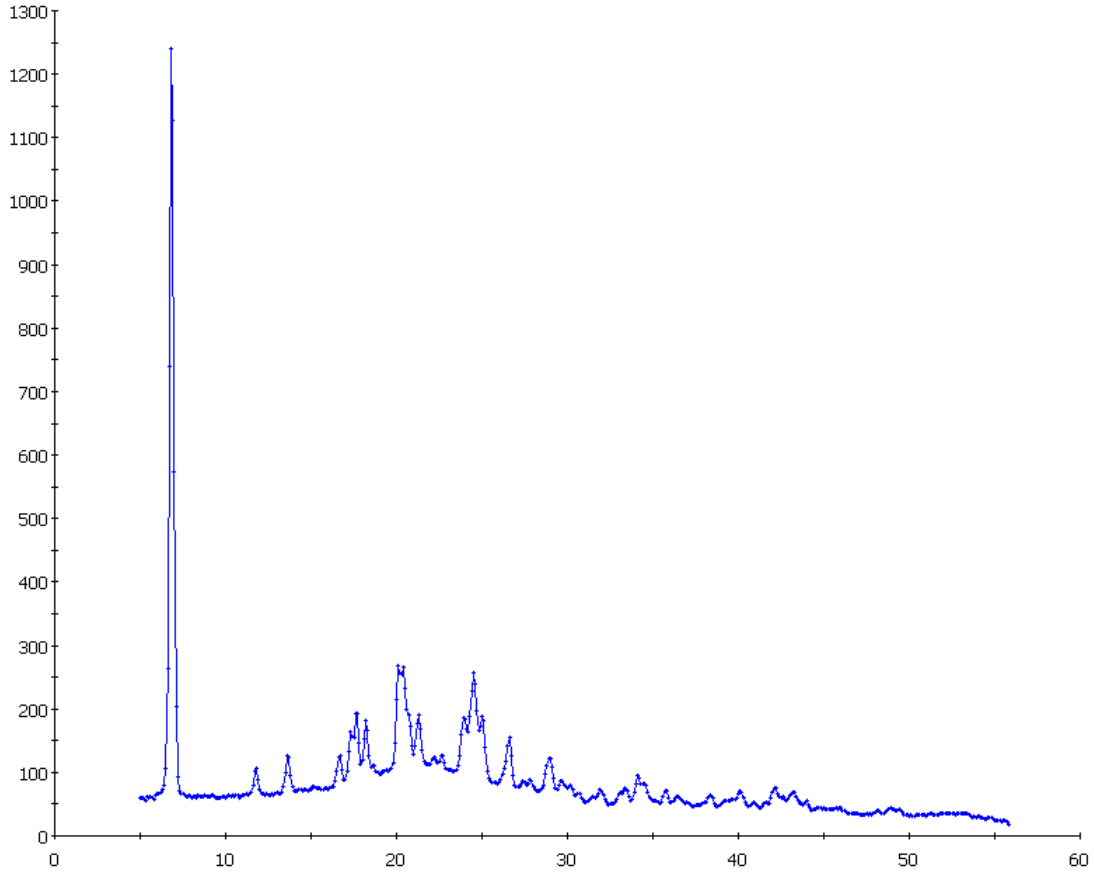


Table S1 Unit cell parameters, lists of indexed reflections and agreement parameters as obtained from the TREOR90 software for complex **M3**

```
a = 29.951117  0.059141 Å   ALFA = 90.000000  0.000000 DEG
b = 29.951117  0.059141 Å   BETA = 90.000000  0.000000 DEG
c =  5.448057  0.006826 Å  GAMMA =120.000000  0.000000 DEG
UNIT CELL VOLUME =   4232.51 Å3
```

H	K	L	SST-OBS	SST-CALC	DELTA	2TH-OBS	2TH-CALC	D-OBS	FREE PARAM.
2	0	0	0.003529	0.003528	0.000001	6.811	6.810	12.9669	100
2	2	0	0.010513	0.010583	-0.000070	11.770	11.809	7.5125	3
4	0	0	0.014115	0.014110	0.000005	13.647	13.644	6.4834	4
1	0	1	0.020946	0.020872	0.000074	16.643	16.613	5.3223	3
1	1	1	0.022620	0.022636	-0.000016	17.300	17.306	5.1216	6
2	0	1	0.023401	0.023518	-0.000116	17.599	17.643	5.0354	8
2	1	1	0.026250	0.026163	0.000087	18.648	18.617	4.7543	0
2	2	1	0.030453	0.030573	-0.000120	20.100	20.140	4.4140	13
3	1	1	0.031359	0.031455	-0.000096	20.400	20.431	4.3498	11
4	0	1	0.034154	0.034100	0.000054	21.300	21.283	4.1680	6
3	2	1	0.036944	0.036746	0.000198	22.163	22.103	4.0075	1
4	1	1	0.038444	0.038510	-0.000065	22.615	22.634	3.9286	1

```
NUMBER OF OBS. LINES =   12
NUMBER OF CALC. LINES =   12
M( 12)=   9  AV.EPS.= 0.0000752
F 12 =  16.(0.026830,   28)

 M   CF. J.APPL.CRYST. 1(1968)108
 F  CF. J.APPL.CRYST. 12(1979)60
    0  LINES ARE UNINDEXED
M-TEST=    9 UNINDEXED IN THE TEST=    0
```

This journal is © The Royal Society of Chemistry 2009

Figure S4. X-ray powder diffraction pattern of complex **4** recorded at 100 °C on heating.