

Supplementary Materials: Strain-induced graphitization mechanism of coal-based graphite from Lutang, Hunan Province, China

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Table S1. Raman spectra parameters of different deformed samples away from the intrusion.

Distance /m	Samples	D1		D2		D3		D4		G		R2
		Positions	Areas	Positions	Areas	Positions	Areas	Positions	Areas	Positions	Areas	
1540	D60	1353	722	/	/	/	/	/	/	1582	2447	0.295
1340	B8-1	1345	17770	/	/	1543	1732	1198	2169	1591	14436	0.549
	B8-2	1343	13202	/	/	1507	1783	1232	4057	1589	6536	0.669
	B7-1	1346	8441	1611	2997	/	/	/	/	1577	8635	0.539
840	B7-2	1347	7564	/	/	/	/	1209	1910	1586	6989	0.542
	F7-1	1349	6203	1618	1908	/	/	/	/	1580	7584	0.484
	F7-2	1353	6901	1621	2011	/	/	/	/	1585	7889	0.466
760	B6-1	1349	3016	1619	112	/	/	/	/	1579	5377	0.369
	B6-2	1353	2890	1623	301					1584	5028	0.413
	F6-1	1349	4517	1619	343	/	/	/	/	1579	5520	0.435
630	F6-2	1349	3826	1618	255	/	/	/	/	1579	5871	0.392
	B5-1	1344	3068	1611	200	/	/	/	/	1574	4436	0.405
	B5-2	1350	3376	1622	205	/	/	/	/	1581	4989	0.410
480	B5-3	1350	3204	/	/	/	/	/	/	1579	5045	0.396
	F5-1	1345	2633	1609	861	/	/	/	/	1574	6124	0.294
	F5-2	1346	2877	1612	562	/	/	/	/	1576	5077	0.334
430	F5-3	1350	2660	1618	479	/	/	/	/	1579	5519	0.307
	B4-1	1352	2933	1625	131	/	/	/	/	1584	5312	0.370
	B4-2	1352	3104	1618	340	/	/	/	/	1582	7029	0.353
330	B4-3	1353	2899	/	/	/	/	/	/	1587	5185	0.379
	F4-1	1344	2781	1615	195	/	/	/	/	1575	5853	0.325
	F4-2	1355	2570	/	/	/	/	/	/	1582	6348	0.287
200	F4-3	1356	2619	/	/	/	/	/	/	1581	6037	0.276
	B3-1	1349	2881	1619	256	/	/	/	/	1580	6819	0.338
	B3-2	1353	2478	1623	216	/	/	/	/	1585	6367	0.352
330	B3-3	1352	2566	1618	223	/	/	/	/	1582	6405	0.348
	F3-1	1349	1689	/	/	/	/	/	/	1579	3382	0.261
	F3-2	1344	1604	/	/	/	/	/	/	1572	4172	0.278
200	F3-3	1355	1693	/	/	/	/	/	/	1582	4448	0.279
	B2-1	1349	3977	1615	384	/	/	/	/	1580	6966	0.303
	B2-2	1350	3652	/	/	/	/	/	/	1581	6292	0.310
200	F2-1	1346	2291	/	/	/	/	/	/	1574	5919	0.273
	F2-2	1348	1544	1617	126	/	/	/	/	1577	4074	0.273
	F2-3	1353	2258	1623	130	/	/	/	/	1583	4860	0.243
200	B1-1	1349	1910	1620	125	/	/	/	/	1580	3511	0.344
	B1-2	1344	2306	/	/	/	/	/	/	1578	3882	0.348
	B1-3	1345	1525	/	/	/	/	/	/	1578	4109	0.328
200	F1-1	1346	2566	1617	123	/	/	/	/	1576	2586	0.401
	F1-2	1348	2216	1619	101	/	/	/	/	1580	3278	0.399
	F1-3	1346	2018	1620	96	/	/	/	/	1579	2994	0.397