Quantum Chemical Molecular Dynamics Simulations of Dynamic Fullerene Self-Assembly in Benzene Combustion [*ACS Nano* **2009,** *3,* 2241–2257].
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The rms values for curvature given in the last column of Table 2, Table 4, and Table 6 were incorrect. The curvature values should read as given below.

TABLE 2. List of Successful Simulations with $T_n = 2500$ K

trajectory name	curvature (1/Å)
B2500Kg1_4	0.228
B2500Kg1_5	0.234
B2500Kg1_7	0.217
B2500Kg1_8	0.231
B2500Kg1_11	0.221
B2500Kg1_12	0.224
B2500Kg1_14	0.219
B2500Kg1_16	0.220
B2500Kg1_18	0.234
B2500Kg1_19	0.210

TABLE 4. Successful Simulations with $T_n = 3000$ K

trajectory name	curvature (1/Å)
B3000Kg1_1	0.232
B3000Kg1_2	0.243
B3000Kg1_3	0.225
B3000Kg1_4	0.242
B3000Kg1_13	0.230
B3000Kg1_15	0.232
B3000Kg2_2	0.218
B3000Kg2_3	0.220
B3000Kg2_5	0.235
B3000Kg2_6	0.240
B3000Kg2_7	0.238
B3000Kg2_10	0.232
B3000Kg2_12	0.218
B3000Kg2_13	0.229
B3000Kg3_3	0.232
B3000Kg3_4	0.237
B3000Kg3_7	0.263
B3000Kg3_8	0.228
B3000Kg3_13	0.257
B3000Kg3_14	0.220
B3000Kg4_3	0.234
B3000Kg4_6	0.264
B3000Kg4_7	0.210
B3000Kg4_9	0.209
B3000Kg4_10	0.234

TABLE 6. List of Successful Simulations Using SCC-DFTB (Followed by NCC-DFTB) with $T_n = 2500$ K, $T_e = 2500$ K

trajectory name	curvature (1/Å)
BSN2500Kg1_1	0.214
BSN2500Kg1_2	0.236
BSN2500Kg1_6	0.209
BSN2500Kg1_7	0.227

Correspondingly, we make two corrections in the text as follows.

Text change 1:

Page 2246 column 2, middle paragraph:

"The average cage sizes and corresponding rms curvatures of the giant fullerenes at $T_n = 2500$ K are 191.9 and 0.136 Å^{-1}, and at $T_n = 3000$ K they are 160.7 and 0.143 Å^{-1}."

should read:

"The average cage sizes and corresponding rms curvatures of the giant fullerenes at $T_n = 2500$ K are 191.9 and 0.224 Å^{-1}, and at $T_n = 3000$ K they are 160.7 and 0.233 Å^{-1}."

Text change 2:

Page 2246 column 2, last paragraph:

"As in our previous simulations of pure carbon systems, the average rms curvatures of self-assembled GFs are higher than one would expect for spherical cages, but much lower than the curvature required for $^{Ih}C_{60}$, which has an rms curvature of 0.28 Å^{-1}. If the cages were spherical, a 0.13 Å^{-1} rms curvature would correspond to a radius of 7.69 Å and therefore contain more than 240 atoms (the radius of $^{Ih}C_{240}$ is ~7.3 Å). Generally, the cages emerge with very nonspherical shape and therefore larger local curvature values are observed."

should read:

"As in our previous simulations of pure carbon systems, the average rms curvatures of self-assembled GFs are much higher than one would expect for spherical cages of this size, but lower than the curvature required for $^{Ih}C_{60}$, which has a rms curvature of 0.28 Å^{-1}. If the cages were spherical, a 0.22 Å^{-1} rms curvature would correspond to a radius of 4.55 Å and therefore contain ~80 atoms (the radius of $^{Ih}C_{80}$ is ~4.07 Å). Generally, the cages emerge with very nonspherical shape and therefore larger local curvature values are observed."

The changes do not affect the reported trajectories and conclusions of the paper.

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