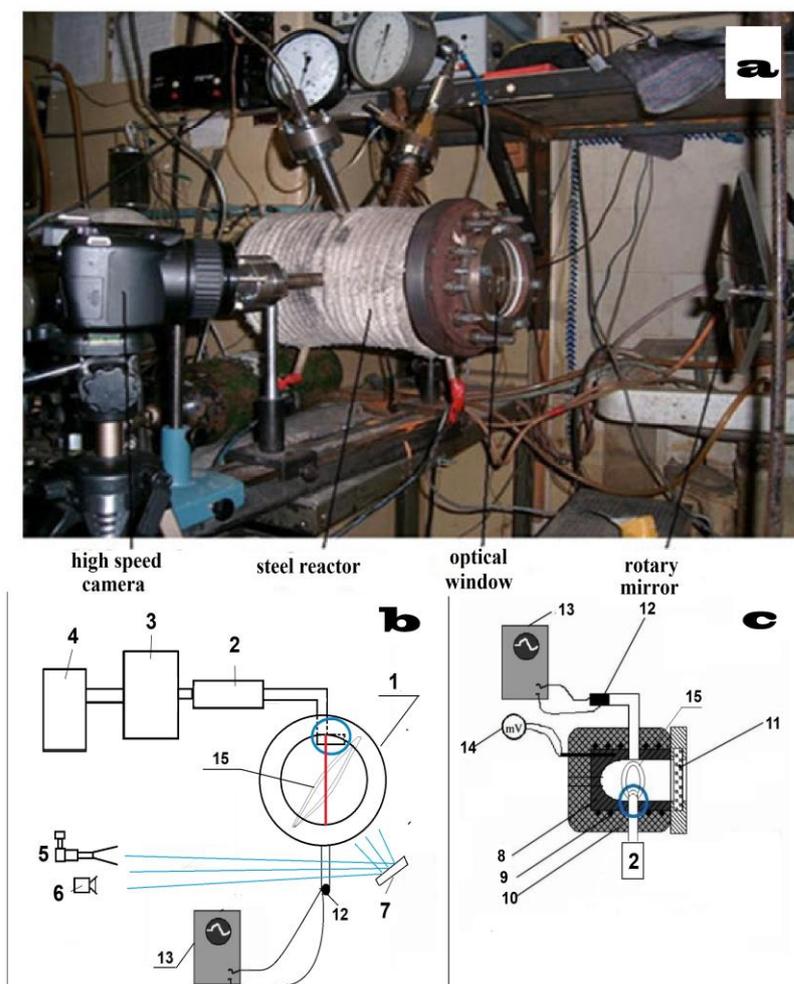


## Cellular combustion and delay periods of ignition of a nearly stoichiometric H<sub>2</sub>–air mixture over a platinum surface

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**Figure S1** Schematic diagram of the experimental setup: (1) reactor, (2) electromagnetic valve, (3) buffer volume, (4) cylinder with gas mix, (5) hyper spectrometer, (6) digital video camera, (7) rotary mirror, (8) internal thermal isolation, (9) heater, (10) external thermal isolation, (11) optical window, (12) pressure transducer and spark ignition circuit, (13) ADC–computer based data acquisition system, (14) millivolt meter and the thermocouple, (15) aluminum ring for prevention of gas circulation. The blue circle notes the place of tangential input of gas into the reactor. The line on which 3D-spectral shooting was carried out is specified red. The width of this line is about 1 mm.