

**Table 2. Peer-reviewed Publications Focused on
Mechanism of Collapse for WTC 1, 2, and 7**

Collapse Mech.¹	Date (mm/yy)	Title	Author(s)	Publication	Vol/Issue
(PC)	12/01	Why did the WTC collapse? - Simple Analysis	Bazant, Zhou	Int'l J. Struct. Stab. Dyn.	Vol. 1, No. 4, 603-615 ²
PC	12/01	Why did the WTC collapse? Science, engineering, and speculation	Eagar, Musso	J. of Materials Science (JOM)	Vol. 53, No. 12, 8-11 ³
PC	01/02	Why did the WTC collapse? - Simple Analysis	Bazant, Zhou	J. Engineering Mechanics (JEM)	Vol. 128, No. 1, 2-6 ⁴
(PC)	03/02	Addendum to "Why did the WTC..."	Bazant, Zhou	JEM	Vol. 128, No. 3, 369-370
—	07/02	Could the WTC have been modified to prevent its collapse?	Newland, Cebon	JEM	Vol. 128, No. 7, 795-800 ⁵
PC	05/02	Dissecting the Collapses	ASCE Committee	Civil Engineering	Vol. 72, Issue 5 ⁶
PC	10/02	A suggested cause of the fire-induced collapse of the WTC	Quintiere, di Marzo, Becker	Fire Safety Journal	Vol. 37, Issue 7, p. 707
—	07/03	Discussion [see above; Bazant and Zhou, 2002]	Sivakumar	JEM	Vol. 128, Issue 7, 839 ⁷
(PC)	07/03	Closure [see above; Bazant and Zhou, 2002]	Bazant, Zhou	JEM	July 2003, 839-840
PC	10/03	How did the WTC towers collapse: a new theory	Usmani, Chung, Torero	Fire Safety Journal	Vol. 38, Issue 6, 501-533 ⁸
—	10/03	A suggested cause of the fire-induced collapse of the WTC	Lane	Fire Safety Journal (letter)	Vol. 38, Issue 6, 589-591 ⁹
—	11/03	Discussion [see above; Newland, 2002]	Sivakumar	JEM	Nov. 2003, p. 1360
—	11/03	Closure [see above; Newland, 2002]	Newland, Cebon	JEM	Nov. 2003, 1360-1361
PC	05/04	Progressive analysis procedure for progressive collapse	Marjanishvili	JEM	May 2004, 79-85 ¹⁰
	10/04	Use of high-efficiency energy absorbing device to arrest Progressive collapse of tall building	Zhou, Yu	JEM	Oct. 2004, 1177-1187 ¹¹
PC	01/05	Structural responses of WTC under aircraft attacks	Omika et al.	J. Structural Eng.	Jan. 2005, 6-15 ¹²
PC	06/05	Stability of the WTC twin towers structural frame in multiple floor fires	Usmani	JEM	June 2005, 654-657 ¹³
F	2005	September 11 and fracture mechanics - a retrospective	Cherepanov	Int'l Journal of Fracture	132: L25-L26 ¹⁴
—	06/06	WTC 7: A short computation	Kuttler	J. 9/11 Studies	Vol. 1, 1-3 ¹⁵
CD/7	06/06	9/11 - Evidence for controlled demolition: a short list of observations	Legge	J. 9/11 Studies	Vol. 1, 4-16
CD/7	06/06	9/11 - Evidence suggests complicity: Inferences from actions	Legge	J. 9/11 Studies	Vol. 1, 17-27

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—	06/06	Momentum transfer analysis of the collapse of the upper storeys of WTC 1	Ross	J. 9/11 Studies	Vol. 1, 32-39
CD/7	08/06	What is 9/11 truth? - the first steps	Ryan	J. 9/11 Studies	Vol. 2, 1-6
PC	08/06	To whom it may concern	Greening	J. 9/11 Studies	Vol. 2, 7-12 ¹⁶
—	08/06	Reply to Dr. Greening [see above; Greening, 2006]	Ross	J. 9/11 Studies	Vol. 2, 13-18 ¹⁷
CD/7	08/06	Intersecting facts and theories on 9/11	Firmage	J. 9/11 Studies	Vol. 2, 19-47 ¹⁸
CD	08/06	118 Witnesses: The firefighters' testimony to explosions in the twin towers	MacQueen	J. 9/11 Studies	Vol. 2, 47-106
CD	08/06	NIST data disproves collapse theories based on fire	Legge	J. 9/11 Studies	Vol. 2, 107-121
F	08/06	Mechanics of the WTC collapse	Cherepanov	Int'l Journal of Fracture	141: 287-289 ¹⁹
CD/7	09/06	Why indeed did the WTC buildings completely collapse?	Jones	J. 9/11 Studies	Vol. 3, 1-47
CD	09/06	Seismic proof - 9/11 was an inside job	Furlong, Ross	J. 9/11 Studies	Sept. 2006, 1-11
CD/7	11/06	9/11 - acceleration study proves explosive demolition	Legge	J. 9/11 Studies	Nov. 2006, 1-5
CD	12/06	The NIST WTC investigation - how real was the simulation?	Douglas	J. 9/11 Studies	Vol. 6, 1-28
F	01/07	Progressive collapse of towers: the resistance effect	Cherepanov, Esparragoza	Int'l Journal of Fracture	143: 203-206 ²⁰
CD	01/07	Statement regarding thermite, part 1	Moore	J. 9/11 Studies	Vol. 7, 1-9
—	02/07	The overwhelming implausibility of using directed energy beams to demolish the WTC towers	Jenkins	J. 9/11 Studies	Feb. 2007, 1-31
PC	03/07	Mechanics of progressive collapse: learning from WTC and building demolitions	Bazant, Verdure	JEM	March 2007, 308-319 ²¹
CD/7	04/07	Jones v. Robertson, a physicist and a structural engineer debate the controlled demolition of the World Trade Center	Roberts	J. 9/11 Studies	April 2007, 1-37
CD/7	04/07	9/11 and the twin towers: Sudden collapse initiation was impossible	Morrone	J. 9/11 Studies	April 2007, 38-43
—	05/07	NIST and Dr. Bazant - simultaneous failure	Ross	J. 9/11 Studies	May 2007, 39-44 ²²
CD/7	05/07	The sustainability of the controlled demolition hypothesis for destruction of the twin towers	Szamboti	J. 9/11 Studies	May 2007, 1-11
CD/7	05/07	Revisiting 9/11/2001 - applying the scientific method	Jones	J. 9/11 Studies	May 2007, 55-82
PC/7	05/07	Good Science and 9-11 Demolition Theories	Mike King	JOD 911 Conspiracy	Vol. 1, Issue 2, Sept. 2006

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Collapse Mech.¹	Date (mm/yy)	Title	Author(s)	Publication	Vol/Issue
				Theories	(updated 13 May 2007)
CD/7	06/07	Some physical chemistry aspects of thermite...system as applied to the demise of three WTC buildings on 9/11/2001	Lobdill	J. 9/11 Studies	June 2007, 1-15
CD/7	07/07	High velocity bursts of debris from point-like sources in the WTC towers	Ryan	J. 9/11 Studies	July 2007, 1-8
CD	08/07	Direct evidence for explosions: flying projectiles and widespread impact damage	Grabbe	J. 9/11 Studies	Aug. 2007, 1-7
CD/7	09/07	9/11 - Proof of explosive demolition without calculations	Legge	J. 9/11 Studies	Sept. 2007, 1-8
—	10/07	The great steel caper: DEW - demolition contrary evidence	Jenkins	J. 9/11 Studies	Oct. 2007, 1-63
—	11/07	Appeal filed with NIST	Gourley et al.	J. 9/11 Studies	Nov. 2007, 1-16
—	12/07	Analysis of the mass and potential energy of WTC tower 1	Urich	J. 9/11 Studies	Dec. 2007, 1-43
CD	12/07	9/11 and the twin towers: Sudden collapse initiation was impossible	Legge, Szamboti	J. 9/11 Studies	Dec. 2007, 1-3
—	12/07	Structural response of tall buildings to multiple floor fires	Flint et al.	J. Structural Eng.	Dec. 2007, 1719-1732 ²³
CD/7	01/08	Extremely high temperatures during the WTC destruction	Jones et al.	J. 9/11 Studies	Jan. 2008, 1-11
PC	01/08 02/08	Engineering perspective of the collapse of WTC-1	Irfanoglu, Hoffmann	J. Perf. of Constructed Fac.	Vol. 22, No. 1, 62-67 ²⁴
PC	02/08	Progressive collapse of the WTC: simple analysis	Seffen	JEM	Feb. 2008, 125-132 ²⁵
CD	04/08	Fourteen points of agreement with official government reports on the WTC destruction	Jones et al.	Open Civil Eng. J.	Vol. 2, 35-40
PC/7	05/08	On Debunking 9/11 Debunking	Ryan Mackey	JOD 911 Conspiracy Theories	Vol. 1, Issue 4, 31 Aug. 2007 (updated 24 May 2008)
CD	06/08	9/11 and probability theory	Legge	J. 9/11 Studies	June 2008, 1-4
CD	07/08	The top ten connections between NIST and nano-thermites	Ryan	J. 9/11 Studies	July 2008, 1-12
F	07/08	Collapse of towers as applied to September 11 events	Cherepanov	Materials Science	Vol. 44, No. 4 ²⁶
PC	10/08	Discussion [see above; Bazant, 2007]	Szuladzinski	JEM	Oct. 2008, 913-915
CD	10/08	Discussion	Gourley	JEM	Oct. 2002, 915-916 ²⁷
(PC)	10/08	Closure [see above; Bazant, 2007]	Bazant, Le	JEM	Oct. 2008, 916-923
PC	10/08	What did and did not cause collapse	Bazant et al.	JEM	Oct. 2008,

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Collapse Mech.¹	Date (mm/yy)	Title	Author(s)	Publication	Vol/Issue
		of WTC twin towers in New York?			892-906
CD	01/09	The missing jolt: A simple refutation of the NIST-Bazant collapse hypothesis	MacQueen, Szamboti	J. 9/11 Studies	Vol. 24, 1-27
CD	02/09	Active thermite material discovered in dust from the 9/11 WTC catastrophe	Harrit et al.	Open Chem. Phys. J.	Vol. 2, 7-31 ²⁸
CD/7	05/09	Controlled demolition at the WTC: An historical examination of the case	Legge	J. 9/11 Studies	May 2009, 1-5
PC	07/09 08/09	Dominant factor in the collapse of WTC-1	Miamis et al.	J. Perf. of Constructed Fac.	Vol. 23, No. 4, 203-208
CD	02/10	Destruction of the WTC north tower and fundamental physics	Chandler	J. 9/11 Studies	Feb. 2010, 1-17
CD	03/10	Falsifiability and the NIST WTC report: A study in theoretical adequacy	Anonymous, Legge	J. 9/11 Studies	March 2010, 1-20
CD	04/10	Discussion [see above; Seffen, 2008]	Grabbe	JEM	Vol. 136, No. 4, 538-539 ²⁹
PC	06/10	How fast does a building fall?	Denny	European J. of Physics	Vol. 31, 943-948 ³⁰
CD	07/10	Discussion [see above; Bazant et al. 2008]	Bjorkman	JEM	Vol. 136, No. 7, 933-934
(PC)	07/10	Closure	Bazant et al.	JEM	Vol. 136, No. 7, 934-935
PC	01/11	Why the observed motion history of WTC towers is smooth	Le, Bazant	JEM	Vol. 137, No. 1, 82-84
PC/7	01/12	Analysis of structural response of WTC 7 to fire and sequential failures leading to collapse	McAllister et al.	J. Structural Eng.	Vol. 138, No. 1, 109-117 ³¹
PC	01/12	Using numerical simulations and engineering reasoning under uncertainty: studying the collapse of WTC-1	Irfanoglu	Computer-Aided Civil and Infrastructure Eng.	Vol. 27, No. 1, 65-76
PC	07/12	Temporal considerations in collapse of WTC towers	Szuladzinski	Int'l J. Struct. Eng.	Vol. 3, No. 3, 189-207
PC	08/12	Structural analysis of impact damage WTC 1, 2, and 7	McAllister et al.	Fire Technology	Vol. 49, No. 3, 1-31
CD/7	10/12	A discussion of "Analysis of structural response of WTC 7..." (see McAllister et al. above, Jan. 2012)	Brookman	J. 9/11 Studies	Oct. 2012, Vol. 33
CD	10/12	Discussion [see above; Bazant, 2011]	Grabbe	JEM	Vol. 138, No. 10, 1298-1300
PC	10/12	Closure [see above; Bazant, 2012]	Le, Bazant	JEM	Vol. 138, No. 10, 1300-1301
CD	11/12	Were explosives the source of the seismic signals emitted from New York on September 11, 2001?	Rousseau	J. 9/11 Studies	Vol. 34, 1-23

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Collapse Mech.¹	Date (mm/yy)	Title	Author(s)	Publication	Vol/Issue
PC	12/12	Equation of motion governing the dynamics of vertically collapsing buildings.	Pesce	JEM	Vol. 138, No. 12, 1420-1421

¹ PC = Progressive Collapse hypothesis; CD = Controlled Demolition hypothesis; F = Fracture wave theory;

“7” added for papers applying process to WTC 7; (PC) or (CD) denotes papers not treated as distinct papers.

² Submitted September 13, 2001 as stated at bottom of first page; expanded version submitted to JEM on September 22.

³ Claims steel “experienced temperatures” above 750 degrees C (inconsistent with later results).

⁴ Simple 1D model (same as Dec. 2001 paper but in new venue; see also 03/02 Addendum).

⁵ Simply presumes PC without arguing for it; paper is about adding energy-absorbing collapse barriers.

⁶ Basically, a Civil Engineering Committee call for more study; notes no prior case of such collapse.

⁷ Essentially argues for PC but refers to it as “pancaking.”

⁸ Applies a simple finite element analysis model.

⁹ Basically assumes PC without arguing for it; calls for further investigation, including controlled demolition (CD).

¹⁰ Excellent summary of PC hypothesis, which is simply assumed. Focuses on describing four PC procedures; however, does not specifically state that PC applies to the WTC case.

¹¹ Does not address cause of collapse (p.1178).

¹² Uses LS-DYNA computer program; presumes PC without arguing for it.

¹³ Seriously qualifies proposed mechanism in introduction.

¹⁴ Fracture wave theory (not PC); full text at www.genadycherepanov.com.

¹⁵ CD hypothesis not specifically stated but clearly implied.

¹⁶ Supports possibility of gravity-only collapse, but does not specifically claim “PC” hypothesis.

¹⁷ Denies Greening’s claim of gravity-only collapse; CD conclusion implied, consistent with Furlong and Ross (2006).

¹⁸ CD hypothesis not specifically stated but clearly implied.

¹⁹ This fracture wave theory results in predicted collapse times much longer than actual fall times.

²⁰ Resistance added to fracture wave theory.

²¹ As in previous work, uses a simple one-dimensional (1D) model.

²² Ross here focuses on critique of PC hypothesis, but CD clearly implied by context of this critique and later paper by Furlong and Ross (2006).

²³ Significant qualifications given; results applied only indirectly to WTC.

²⁴ Requires core temperatures to get above 700 degrees C. (inconsistent with later results).

²⁵ See critique by Grabbe (April, 2010).

²⁶ Refutes PC hypothesis and advances hybrid model.

²⁷ Refutes all basic claims of Bazant’s 2007 paper.

²⁸ Confirms CD hypothesis using multi-instrument laboratory analyses of dust samples with clear provenance.

²⁹ Refutes all basic claims of Seffen (2008); emphasizes inadequacies of 1D models using by both Seffen and Bazant.

³⁰ Uses simple 1D model and presumes “natural pancake collapse,” which is inconsistent with basic observations.

³¹ Provides simply a review of 2008 NIST study results; no new results are presented.