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ABBREVIATIONS

µg	=	microgram
µl	=	microliter
µg/ml	=	microgram per milliliter
5-HT	=	5-hydroxytryptamine, serotonin
5-HIAA	=	5-hydroxyindoleacetic acid
ABC	=	avidin biotinylated horseradish peroxidase complexes
ACC	=	anterior cingulate cortex
AMPA	=	amino-hydroxy-5-methyl-4-isoxazole propionic acid
ANOVA	=	analysis of variance
Asp	=	aspartate
ATP	=	adenosine triphosphate
ATS	=	amphetamine-type stimulants
BCA	=	bicinchoninic acid
°C	=	degree Celsius
CA	=	cornu ammonis of hippocampus
CA1	=	CA region 1 of hippocampus
CA2	=	CA region 2 of hippocampus
CA3	=	CA region 3 of hippocampus
Ca^{2+}	=	calcium ion
CaMKII	=	calcium/calmodulin-dependent protein kinase type II
Cl^-	=	chloride ion
CNS	=	central nervous system
Cu^+	=	copper ion
Cu^{2+}	=	copper
DA	=	dopamine
D1	=	dopamine receptor type 1
D2	=	dopamine receptor type 2

D3	=	dopamine receptor type 3
DAT	=	dopamine transporter
DG	=	dentate gyrus
DNA	=	deoxyribonucleic acid
DOPAC	=	dihydroxyphenylacetic acid
EAAC1	=	excitatory amino acid carrier 1
EAATs	=	excitatory amino acid transporters
EAAT1	=	EAAT transporter type 1
EAAT2	=	EAAT transporter type 2
EAAT3	=	EAAT transporter type 3
EAAT4	=	EAAT transporter type 4
EAAT5	=	EAAT transporter type 5
EC	=	entorhinal cortex
ff	=	fimbria fornix
fi	=	fimbria
fMRI	=	functional magnetic resonance imaging
Fx	=	fornix
g	=	gram
GABA	=	γ-aminobutaric acid
GLAST	=	glutamate aspartate transporter
gln	=	glutamine
GLT-1	=	glial glutamate transporter
glu	=	glutamate
H	=	hour
H^+	=	hydrogen ion
H_2O_2	=	hydrogen peroxide
HC	=	hippocampus
HCl	=	hydrogen chloride
HVA	=	homovanillic acid
IOD	=	integrated optical density
IR	=	immunoreactivity
iGluRs	=	ionotropic glutamate receptors

LTD	=	long term depression
LTP	=	long term potential
K^+	=	potassium ion
kDa	=	kilo Dalton
M	=	molar
mA	=	milli Ampere
min	=	minute
METH	=	methamphetamine
mf	=	mossy fibers
MG	=	(+/-)-threo-3-methylglutamic acid
mg	=	milligram
Mg^{2+}	=	magnesium
mGluRs	=	metabotropic glutamate receptors
mg/ml	=	microgram per millilitre
mM	=	millimolar
mRNA	=	messenger ribonucleic acid
MS	=	medial septum
Na^+	=	sodium ion
NaCl	=	sodium chloride
NAS	=	nucleus accumbens
nm	=	nanometer
NMDA	=	N-methyl-D-aspartate
NMDAR1	=	NMDA receptor subunit 1
NMDAR2A	=	NMDA receptor subunit 2A
NMDAR2B	=	NMDA receptor subunit 2B
NMDAR2C	=	NMDA receptor subunit 2C
NMDAR2D	=	NMDA receptor subunit 2D
NMDAR3A	=	NMDA receptor subunit 3A
NMDAR3B	=	NMDA receptor subunit 3B
NO	=	nitric oxide
NOS	=	nitric oxide synthase
O_2^-	=	oxygen ion

OH	=	hydroxide
P	=	phosphate group
PBS	=	phosphate buffered saline
PBS-T	=	phosphate buffered saline Tween-20
PCC	=	posterior cingulate cortex
PCP	=	phencyclidine
PDC	=	L-trans-pyrrolidine-2,4-dicarboxylic acid
PER	=	perirhinal cortex
PFC	=	prefrontal cortex
PLA_2	=	phospholipase A_2
PMSF	=	phenylmethylsulphonylfluride
pMRI	=	perfusion magnetic resonance
PNS	=	peripheral nervous system
POR	=	postrhinal cortex
pp	=	perforant pathway
PP1	=	protein phosphatase 1
PP2B	=	protein phosphatase 2B
PVDF	=	polyvinylidene fluoride
r.p.m.	=	round per min
sc	=	Schaffer collaterals
SDS	=	sodium dodecyl sulphate
SDS-PAGE	=	SDS-polyacrylamide gel electrophoresis
SEM	=	standard error mean
SUB	=	subiculum
TH	=	tyrosine hydroxylase
TMB	=	peroxidase substrate, 3,3', 5,5'-tetramethylbenzidine
TUNEL	=	terminal deoxynucleotidyl transferase (TdT)-mediated dNTP nick end labeling
VMAT	=	vesicular monoamine transporter
VMAT2	=	VMAT transporter type 2
VTA	=	ventral tegmental area